

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
 tcgtcgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120  
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893241H1

<400> 33079

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 ggcatttctt ttcgctgatt cagctttggc cgatgattgc agcgtgaata gttcatcagt 180  
 cactacggcc cttactgctt tgatatttgg aaggtatatc catattcata tttcacat 238

<210> 33080  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893242H1

<400> 33080

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 atcacaaatt catgcctctt catttccgtg ttgttttcca aagcttagta gcatttttct 180  
 ggggagtatt cttgaacctt cgagcacgat ctatggcatt gattaaagcc tgaagca 237

<210> 33081  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893244H1

<400> 33081



002250-032200

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gatgtagata gagaataaaa agagaccagt gtgcagtgag aaagagggtg gtcacttctt 180  
gtgtggcttt gttttgttct ttgtgttgga atttgttgat ggggtgaagag ggagaagagg 240  
tgtc 244

<210> 33085  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700893249H1

<400> 33085

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tgcaccatga atctcttaca gaggcacatc ctggtgacaa tgtgggattc aatgttaaga 180  
atgttgctgt taaggatttg aagcgtggtt atgttgccct aaactcaaag gatgacc 237

<210> 33086  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893178H1

<400> 33086

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gtgaaagaca acatttggtt gatatccctg gaactgttgt agatagtaac acaacgcaga 180  
agcaatcaga tggaaatagg acatgtagag ttccaagctt aaagactgag aagattga 238

<210> 33087  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893179H1

<400> 33087

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gagaataaat ttgtgaatgt gtgtagctc ctgctaaca catatcttat agtggtttta 180  
tttatatgga tgagtgttag ctctcacta acacatcttg tagtggttta ataaatctgt 240  
g 241

<210> 33088

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700893180H1

<400> 33088

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<210> 33089

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700893181H1

<400> 33089

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gagagaaaaa ctgaggaatc aaaagatgac aaagaatcta aggaggaagt tgcgccgtca 180  
gaaatcgtgc ttaaagtgat catgcattgt ggaaggtgtg ctgcaaggc tcgtcgctcc 240  
ctcaaagga 249

<210> 33090

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893182H1



<400> 33090

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 ttccatggaa ttgtaagatt ttaggacaag agcttccacg tttatcagaa aacgatctca 180  
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<210> 33091

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700893183H1

<400> 33091

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 aatgaatcat tgataaatat tgaaactgat cgcacctctt gctttgaccg taacaagggt 120  
 gcactccgat tggaggtggt atgtgacagc caagggtgaca acatctgccc cgctgattgt 180  
 gttggtgtct ataaccctgg tttctggggc atgcatattg agcaacggca gtgatacaca 240  
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<210> 33092

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893184H1

<400> 33092

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 agaaggcaat ggatggagtt atgagaagtg caggcgtcag tggaatctgg tggatacaga 120  
 tcacttgaga tataagttca tgaatgcatt tgacagagca atctccttgc ttgatgataa 180  
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<210> 33093

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700893185H1

<400> 33093

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 gaatgcaggc cttggaggat ttgcagctgc acttgaatca caaaagtctt gggatgatgaa 120  
 tgttgtgccg tcaattgctg agaacacttt ggggtgttgct tatgagagag gtctgatcgg 180  
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<210> 33094

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893186H1

<400> 33094

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 cagaggaggc ctcaaatgga gtagctgtga actctgatga aattgaagct gccacatgag 180  
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<210> 33095

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893187H1

<400> 33095

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 caagttgata aaccacgatt tattgtgttt cggttggacc atatacgacc ggtcttgatt 120  
 atgtcatggc caattttgtg aaatatcttt tcggatatgt atgcacaaa tttatctcga 180  
 gtatggtgca aatattgtaa atttaacggc ccaattatgc attgtattgt a 231

<210> 33096

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700893188H1

<400> 33096

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ttttgtcctt ccttcacccc ttccagctgc cagctcatcc aagttgaatg atgttctgat 120  
tcctaaccba ttcaagaggc ctctgtctgt gtttttgctg gaagtgaatg gaatcaatgg 180  
tcttggaat attgtccagg ataatccaat gttcagcaat tcattttgga gtaca 235

<210> 33097

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893189H1

<400> 33097

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ccttgagcca cgtggagaat cttatcaccg gcgtcaccaa gggctaccgc tacaaaatga 120  
tgttcgttta ttccattta cccatcaacg caagcatcgg caacagcaac aagtctattg 180  
agatccgaaa tttccttggc gagaagaagg tgaggaaagt cgacatgctt gat 233

<210> 33098

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700893190H1

<400> 33098

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gtgttcctgt tccccccaa gcaccctga gattcgttcg caaaaagctt aataagaaca 120  
aaaaataaaa ataatttct tcgttattat ttcatttcaa tttcgttttc gttttcgttt 180  
tctgttttga tttgatcttc caatggcgtc cgatggcttt accgacaaga aca 233

<210> 33099

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700893191H1

<400> 33099

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 aagactgtgg aggttgagga gttgacggtg gaggagagga atctcctctc tgtggcttac 180  
 aagaacgtga ttggtgagag gagggttcg tggaggatca tctcctccat tgag 234

<210> 33100

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893194H1

<400> 33100

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 atgattagtt gagagtgtac aaatctctac tgatagtgcg tgaaaattga tctctctctc 120  
 tctcttgctg atttctttac agaacttgga aaataatttc tttaaaactg aactttttca 180  
 aatttgatt taattttgat ttgattattc atgcgactga ttagttttaga ttaact 236

<210> 33101

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700893196H1

<400> 33101

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 ctgagaagcg tgagatatat gatcagtatg gtgaagatgc gcttaaggaa ggaatgggtg 180  
 gtggcggttg ccatgatcca tttgatattc tttcatcttt ctttggcggt gggagt 236

<210> 33102

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700893202H1

<400> 33102

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tcaccaccgg ttccgtcatg taccctgtga tagtctcatc tcgatcacgt acagttcttg 120  
gttgtagata cctcctcagc tcgccattta tgctgcgacg aaactagaag gtctaaagca 180  
gtggttcccc cgagactcat ctgcaccaat atcctatgca acttttctcat g 231

<210> 33103

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700893203H1

<400> 33103

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gcaatagggtg agcaccggct aagggtgggtg cctgagacaa caacaccatg ccaaagctcc 180  
atagaagagt gcatggcaga aggtgagttt ggaatggatt cagagtccca ccggcgcatt 240  
ctagcg 246

<210> 33104

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893204H1

<400> 33104

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aaagaaagag gcatacagaa ggacgggggtg cagaccagca ctcatgacc ccattttggt 120  
ttcaaagaaa gaacacattt ttgggaagaa gaagttctcc actagagcca agtttcacga 180  
gaagggtagg tggcatgaga tttcaattga gtgcaagaac aaggggaatt ataatgtgga 240

<210> 33105

<211> 239

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700893205H1

<400> 33105

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 gtggacagca tgtatgctat ggggcaggtg aagatggcaa catcagagtt ttcagcaggg 180  
 gaagggagtg tgaatagtaa gaaggtgaag aacttgcaga tgaagggaga ggtggggggg 239

<210> 33106  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893207H1

<400> 33106

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 tcgatcccat tggtagctc acttcctgca acggtttatt cattatccaa aaaagatcag 180  
 ctcaaggtta ggggtgaacac tgtacttggg tcagctgcac cacctttaac agttaagctt 240  
 g 241

<210> 33107  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893208H1

<400> 33107

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 gcacgggaag aagtactgcg acaaaggatg ggaatgtaag ggctgggtcaa tttactgttg 180  
 taacctcact attactgatt atttccagac ctaccagttc gagaatctct tctccaag 238

<210> 33108  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893210H1

<400> 33108

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 aggggagtct gaatcccggtg agttttcaat atgacgtcgt tcttgaagcc tgagaatgct 120  
 ctgaaaacgg cggaagaatt actcaatggt gggcataagc aggatgcttt gcagactctc 180  
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<210> 33109  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893211H1

<400> 33109

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 tcatgactac atggcaaagc tttttcattc gctcatccag ttcaataata tattaatcga 120  
 ttttgataga gatgtgtggg gctatatatc tttgggttac ttttaagcaga ccactaaggc 180  
 tggggagatt ggggtcatcaa ctatgcctca caaagtgaat cctattgatt ttgagaacag 240

<210> 33110  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893212H1

<400> 33110

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 tcgatgacgc tgaacggagt atgcacgatg ctatgtgtgt agttaggtgt ttgggtgcca 180  
 agaggaacat cattgccggc ggtgggtgcc ctgagattga gctctccagg cagctgggtg 240  
 cc 242

<210> 33111  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893214H1

<400> 33111

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 cttccatggt gctcatggtg ggaagatggt cccatttgct ggatggagca tgccaatcca 180  
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 tg 242

<210> 33112  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893215H1

<400> 33112

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 tgtcagcgcc ttcc 134

<210> 33113  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893177H1

<400> 33113

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 ggacaatagg tggccaccgt gggtgaagcc actgctgaaa gagagcttct ttgttca 237



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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893131H1  
  
 <400> 33114  
  
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 gttgct 246

<210> 33115  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893133H1  
  
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<210> 33116  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700893135H1  
  
 <400> 33116  
  
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atatgaatca tcaggcaaaa ttttatcaga ttctatctct aatggacaag gtgctgtacc 180

actggaggct ggattgactc tgtcaaagtc catggtgcct gggatttcaa gcgaaa 236

<210> 33117

<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: 700893137H1

<400> 33117

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<210> 33118

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893138H1

<400> 33118

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agtaggattg tgtcttcctt catcacacta aacaagttaa aagaagagca tcactgaact 120

aacttagcaa ccctatgtcg aagggtggtt gtgtcaccgg agccagcggc gccatcggat 180

catgggtggt cctactcctc ctccagcgtg gttacaccgt ccatgccacc gtccaagata 240

<210> 33119

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700893139H1

<400> 33119

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atatgttgaa acttacgaat gtgaaatgct tgggtttaca gtgggcagaa ctagccaaaa 120

aggtggcaac tgattctggg gcactcagcc tggataaaga caaaaacatt atggtggtag 180

gtgaaaactt gcccggtgac atgaacgagg aactaaggat attaaggga cgatgcat 238

<210> 33120  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893140H1

<400> 33120

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 cgaaacgacg tcggagaagg ggagaaggag ggagaagagg ttcacttcgg ataaaaaagt 180  
 ggaaacagtg gaagcgaagg tgaaggaagt tggagagaaa ttagggttta ggattgagat 240  
 a 241

<210> 33121  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893141H1

<400> 33121

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 tcatgtatat ggcccattgc ctgattggat cgacacgtca ggcgcatatt taatttcacc 120  
 agaaatgggt tcacactttg taatgtacct agctaagttg aaagaaaaat caaatcagg 180  
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 t 241

<210> 33122  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893145H1

<400> 33122

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cactgcagca actcttgtct taccagcaaa ctcttctatc tcaacttggt catcaacaat 180  
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 a 241

<210> 33123  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893152H1

<400> 33123

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 cggttggaga aaaatgcagg atatgggggt tcaatttggt gaccaacatg attatactgt 120  
 agctttttat ggagattaaa ggtcacagat tgatcacttt gaagtgatgg agatggtagt 180  
 ggggggggctt tgctgtaaat gaggacactt ttttatctct ctctcaagtg ttgcac 236

<210> 33124  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893153H1

<400> 33124

cggagacctc tcttcagggt accatctaga ctgcagtcac ggctgatgga ccaacgcac 60  
 caacagttgt tcagatgcta gctggacagt cttacctggt gtccaggctt agccccaact 120  
 gtaactctag gaattatgct gcaactggaa ctgacttcaa tggcggaatg tactcgctg 180  
 ggtagctga tgtgtcacct gtatctccag ttac 214

<210> 33125  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893156H1

<400> 33125

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gtagatgaca ccggaataat tataagctct tatagtaaga tacacctgtt tgatgtagat 120  
 gttccgggtg gaagggtata caaagaaagt agttttacag aatcaggcaa ggatattgtt 180  
 gcagtagaca gtcctgttgg gcgtttgggc ctcaagtgtt gctatgattt gagatttcc 239

<210> 33126  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893157H1

<400> 33126

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 aagaggtttg aaatttgaag gcagggaaga tggattattt caatgcacca ggaagaaacc 120  
 atctctttgt tccagggccg agttaacatt ccggaccaga tcatccgggc catgaacaga 180  
 aacaatgagg actaccgttc tccagcaatt ccagctatga caaaatcttt gcttgaggat 240

<210> 33127  
 <211> 157  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893158H1

<400> 33127

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 ggagaagggt tacattacc acgtccacac aacataa 157

<210> 33128  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893159H1

<400> 33128

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gcttgtggcc ttgtgggaga acaagattgg caagaccctc gaaaaaattt atgtaccaga 180

ggagaagggt ctcaaggaca tcgaagaggc acctcttcca atcaatgtgg tattagcaat 240

<210> 33129

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700893160H1

<400> 33129

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agctgatcgc tgaatcgaag tacgtccaga acaacccgcc ggtgctcatt ccccaagagg 120

acagagtcgt gaagcacgtc ttggacgttc tgttaccgtt cagcaccacc accggcgggtg 180

gacccttgct cgtaaaccac gtcacctacc acgtctgcag agggaaacctc atcgtggagt 240

<210> 33130

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700893161H1

<400> 33130

gcaaccccca tttcactatg tctgatcctg tcaccgaaat tcctataaag cctaccacta 60

agcaaactgt ggaaattgct atttatgaga agtgcattat tgtttgggag ctgcgcgtgg 120

tgggctggga ggtagctac aatgctgaat tcaagcctga tgttgaagat gcatatacgg 180

ttatcataca gaaggccaca aagatgtccc ccaccgatga accagttggt tccaata 237

<210> 33131

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700893164H1

<400> 33131

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ccagtgcac accgtgtaca ccttgatgct cttcttggtt gagtttagag gtgccagaat 180  
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 tga 243

<210> 33132  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893165H1

<400> 33132

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 aaccctatct ctctctctct ttcttccctg tttggtatca gcgagcaca tgaggagagg 120  
 agctaagagt cagacgaagc aggacctaga agccaaacac gtcgcagccg tagataacta 180  
 gaccgaagct cagcctcgag ctaaacgggc caaacctcc aagcctcaat ccgaacctga 240  
 g 241

<210> 33133  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893167H1

<400> 33133

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 caatccatgg ttgctttatg tccaaacaat aatgaagacc acatctatag gttggtggac 180  
 gacaaatgtg caaagttgta tgctcttcaa aagacaacaa atgtgcagtg ggctgtg 237

<210> 33134  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893169H1

<400> 33134

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 acttgtttca ttttctctcg aagcaagaaa aatgttcac gagagtttca aggttgagag 120  
 tcctaactg aagtacacag agactgagat tcagtacttg tacaactatg aaaccactga 180  
 acttgttcac gagaacaaga atggcactta tcagtgggtt gtcaagccca aaactgtc 238

<210> 33135  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893171H1

<400> 33135

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 tttgatagcc atgaaagcac catcaaaatc caggacgaga caatgcaaat ccatgcagtg 120  
 cagttgccac cacaccgaac cacactccac acaac 155

<210> 33136  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893172H1

<400> 33136

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 cccactaacc aaaccaaacc tctcaagtct caatggcttc tcagcaacac gacgccgttt 120  
 tccgcgaaga agacatggac gacgacgacg acgagtctca ggaggacgga gactacgaag 180  
 aagaagacga cgacgtttta gccgacgacg aagaaaacga gccctctccc tccacggg 238

<210> 33137  
 <211> 83  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893173H1

<400> 33137

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gagcgccggc cgtggaggag tcg

83

<210> 33138  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893174H1

<400> 33138

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ccgagctctt catttttgag ttttcctatg aatcaaacct ctgaaatgtc tgtcaacaat 120  
agtttcccaa ttggaaccac cccaggtata tcaagtatca caacaaaagg ctcttttcaa 180  
gaagaagtta catcaggaca ttaaaggatc cagtgggttt ccaagttatg atatttttg 239

<210> 33139  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893175H1

<400> 33139

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caacgtcaag gctaagattc aggacaagga gggaatcccc ccagaccagc agaggctgat 120  
cttcgccggg aagcagctcg acgacggacg cacccttgct gactacaaca tccagaagga 180  
gtcaactctc cacttgggtg tgcgtcttcg tgggtggtatg cagattttcg tgaaga 236

<210> 33140  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893176H1

<400> 33140

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aatctcacca gacactgaag gttcttgcaa actgaagatt gttagttcta aggagattc 120  
aactggtgct agagggtattg taatatctgg aagttcctcc tttatggggc ctaatctagt 180

cacagaagta ccagaagggtg aagatgacag aaaatttagt tctccacagc tactg 235

<210> 33141  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893130H1

<400> 33141

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 ggtgtgaaga agcctcatcg ttatcgccct ggaactgttg ctcttcgtga gattaggaaa 120  
 taccagaaga gcactgagct cctaatacagg aagcttcctt tccagagggt gggtcgtgaa 180  
 attgccagc atttcaagac tgatctgcgt ttccagagcc atgctgtgct tgcattgcaa 240  
 gaggc 245

<210> 33142  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893091H1

<400> 33142

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 gtccctgtgt ctctgtatct gtctttgtct ctgttcgtct cgctgaagga atcgctaagg 120  
 atcacattct ttgcaggttt agttttctgct tctggccacc tctcaagttc tctgcttttt 180  
 ttagggttcc tttgattctg aattggattg caattgggtg cctcactctg ctttgctcca 240  
 tt 242

<210> 33143  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893093H1

<400> 33143

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ttgaattggc tttcctctgg caatgctatg aatgaagaag atgttttcca aaggtacctt 120  
 acaatgacct cagcaaataa ggccaacggt tggatggag gtagtctcct tggatgacaa 180  
 gatgaaaaca gtgagatata tgaacattat gcagagttat gtcagggacc tgccttgga 240  
 ctt 243

<210> 33144  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893094H1

<400> 33144

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 aacaaaaatc tgaatcttag ggcaccaaca cctttgatcc aatgggttcg gttgccgcag 120  
 aagaactgaa cttagattta agatcctcct tcgtcccaa aaccatcacc gatttcctcc 180  
 gccacctctc cgccaacaac aaccacctg ccacctccg cgatttctc tccgcctcg 240  
 aagacg 246

<210> 33145  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893103H1

<400> 33145

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 cgtaccggca gctcttcac cggcgcgagc tgaccagcgg caaggaagac gccgccaaca 120  
 actacgcgcg tggccactac accatcgga aggagctcgt cgatctccgc ctcgagagga 180  
 tccgaaagct cgccgacaac tgcagcggtc tccacggtt cctcggttc aacgccgtc 239

<210> 33146  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893104H1

<400> 33146  
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 caatctagcg gatatgaagg tcgtcgctgc atacttgctc gcagtgttgg gagggaaatcc 120  
 atctccttct gccgatgata tcaaaaacat cctcggcgca gttggagctg aggctgagca 180  
 tgagttgatt gagttgctct tgaccgaagt caagggcaaa gacttcaatg agctacttgc 240  
 ta 242

<210> 33147  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700893105H1

<400> 33147  
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 agaaggcaat ggatggagtt atgagaagtg caggcgctcag tggaatctgg tggatacaga 120  
 tcacttgaga tataagttca tgaatgcatt tgacagagca atacanaagc ttgatgataa 180  
 attctcattc cttgcatcaa caaaacagat tgtgagcagt gcagatgatg atgacaaggt 240  
 tatagt 246

<210> 33148  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893106H1

<400> 33148  
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 cagcgtccga ttcacgaaac gatgcagccg tgcaagccac caacgacgac gcttccgcca 120  
 gtaaattgtc atgtgtaaaa aagggatata tgaaagatga ttatatcat ctatttgtga 180  
 gaaggcctgt gaggagatct ccaatcatta atcgtgggta ctttgctcgc tgggctgcat 240  
 ttcgga 246

<210> 33149  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893107H1

<400> 33149

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 gtcgctcact tgcgcactct caacatccaa gtcgaagatc tcggaacctc ttcctactac 120  
 tccgccggag ccgaggtcgg tcgccgagtc tcccaatcct cctcctccga catccgtggc 180  
 ctcgtcgcct gcggcaccgg cgccggcgtc tccatcttcg ccaacaaata tcccggcgtc 240  
 tacg 244

<210> 33150  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893108H1

<400> 33150

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 tctttgacac tgtgaaaatt aagactgcc aatgctgat gctgctcgca 180  
 agaatgaaat caatttgagg gttgttgatg ggaacactat cactgttgcc ttcgatgaaa 240  
 caac 244

<210> 33151  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893110H1

<400> 33151

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 gttgggcaaa tttgagctat ctggcattcc ttctgcaccc aggggtgttc ctcagattac 120

agtgtgcttt gacattgatg ccaatggtat cttgaatgtc tctgccgaag ataaaaccac 180  
 tggccagaaa aataagatca ctatcaccaa tgacaagggt agattgtcaa aggaagatat 240  
 tga 243

<210> 33152  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893111H1

<400> 33152

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 tgccagatgt tggcgaagca ccgaggagga caacctgctg aacgccgagc accacttcgc 120  
 gagcttcaag gccaagttcg ccaagacctc cgccaccaag gaggagcacg atcatcgctt 180  
 cggcgctcttc aagtccaacc tccgcagagc caggctgcac gccaagctcg acccctccgc 240  
 cgt 243

<210> 33153  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893113H1

<400> 33153

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 actcaactct gatctgagga aatttgccgt gaatctcatt cccttccctc gtctgcactt 120  
 cttcatgggtt ggatttgccg ctctcacctc tcgcggtctc cagcaatacc gcgcattgac 180  
 agtgccagag ctgacacagc aaatgtggga tgccaagaac atgatgtgtg ctgcagatcc 240  
 aagg 244

<210> 33154  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893114H1

<400> 33154

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 aggaagatgg gtaaggaaaa gggtcacatc agtattgtgg ttattggcca tgttgactct 120  
 gggaagtcca ctaccactgg ccacctgac tacaagcttg gaggcattga caagcgtgtt 180  
 attgagagat ttgagaagga agctgctgag atgaacaaga ggtctttcaa gtagcctgg 240  
 gtgct 245

<210> 33155

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700893115H1

<400> 33155

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 ttctgaattc tatccctagt atctgcagtg catatttcac tccaagctct catcaagttt 120  
 catggctaag agatgaatgt aatggaggct ggaacacagg ttcagactag gacaaggatga 180  
 taatagtcac ggggacacaa gccgttgtgt gatgatgac cctctaggaa ataggaatgc 240  
 ttaa 244

<210> 33156

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700893117H1

<400> 33156

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 ccgggggtgt tgctcaggga ttaaaaaaac ttggaaccgt ggaagttcag gaccatccat 120  
 tctttgacac tgtgaaaatt aagactgcc atgccatgc aattgctgat gctgctcgca 180  
 agaatgaaat caatttgccg gttgttgatg ggaacactat cactgttgcc ttcgatgaaa 240  
 caacca 246

<210> 33157

<211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893119H1

<400> 33157

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 aagaagaaga ttttgaggat gatggcactt catccacaaa gaaatggaag aggcagaaaa 180  
 aggatgctgc agatcaatct gatcaaggaa cagtaactgt tgcctgtcct ggaactgggg 240  
 a 241

<210> 33158  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893120H1

<400> 33158

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 acggaccatg gatgtcctat ggtgctcaca atgcctgcct gtccttactt atacgcgat 180  
 gatctgattg aagtcttgaa gtgaaagcat gcttctggca catatacaaa cctagt 236

<210> 33159  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893121H1

<400> 33159

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 ccggcttcac acgagtagga agatggagct tgattgggaa accaggtatg aaatcgctgt 120  
 tggggcagcg aaagggttgg agtatttgca tcatgggtgt gcgaggcccg tcattcatag 180  
 agatgttaag tctagtaaca tattgttggg tgagtttttg aaacctagga ttgccgattt 240



cgg

243

<210> 33160  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893122H1

<400> 33160

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 accgccggac ccgctcccgg acccgaggt cgcgccgagc caccaccgcc accctccgcc 120  
 gcattccccg ccagcaaggc cttcattgct ggctccgcac tctctggaat cttcgtagcc 180  
 atggctcttg cttaaaaact ttcgagagaa gcattgtctt tgatgattcg tccacgtgga 240  
 gg 242

<210> 33161  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893123H1

<400> 33161

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 tgagacggtc tggtcagaag tctacttcta tttggctgaa aaçaatgacc tcattgaggg 120  
 acttttgctc aaacctagca tggttacacc ttaggctgaa caaaaaatct aaaattctcc 180  
 agaaaccatt gctaaatata ctctaaccat ctatagaaga agagttcctc ctgctgtcc 239

<210> 33162  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893124H1

<400> 33162

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 acgacaacaa tcccttcttc ttcctcaga tccacaaccc gcgtcctcac ctaagccgcc 120

ggcaccggaa gatggaggac gacgagaaga cacccttggt gggagaaatc gaggaggtgg 180  
 acgcgagtcc cgtggaggag gagggcacga gcgagcggga gaagcgcgtg cggaccaagg 240  
 tcccg 245

<210> 33163  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893125H1

<400> 33163

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 tcagtccatg acccaagctg gcctcactcg ctaagggtcc gccccgggt ctcttctcac 120  
 cagcacgggt gattctctta ttggtggatc ccgtcccagt ccctactttt ccggagagtc 180  
 ttctgagtct ccttgcaaag agcaaagatc tttccacaaa aa 222

<210> 33164  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893126H1

<400> 33164

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 gtgctgagat tgataacaat tcgaagaagc ctttcaagat cttcgtaggg tatgaccctc 120  
 gcgaagatct tgcctatgag gtatgtcgcc actccatctt gaaaaggct tcaatccctg 180  
 ttgagatcat accaattaag cagtcagatc tgaggaaaag tggtttgtat tggcgtgaga 240  
 ggg 243

<210> 33165  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893127H1

<400> 33165

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tctgttacca aaagcaactc cttgcatttt gttcttggct ctgctgtctt gtacttgctt 120  
tacttctaca gatgcttatg atccactcga cccaaatggg catatcacia tcaaattggga 180  
tattataagt tggaccccag atggatatgt ggctgttggt acgatgaaca acttccaaca 240  
atatc 245

<210> 33166  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893129H1

<400> 33166

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ctctctctcc tctcttaaaa tcaactatacg gttgtaccat tcaaattaaa gattgttcga 120  
actgcagagt aaactgcagt atagagctaa taatcctcag atcaacgaaa acaagagttc 180  
ttgtagggtt cattgtcatg gagctgaatt cacagaagag accattttca atcaaattat 240  
ggcct 245

<210> 33167  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700893087H1

<400> 33167

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agaagatgcc gatcagaaac atcgccgctg gaaggcctga agaggcgact caccgacga 120  
cggtgaaggc ggctttggct gagttcatct caaccttcat ctctgtgttc gccggctcag 180  
gctccggtat cgcctacaac aagctcaccg acaacggcgc tgccaccctt gccggcctca 240  
tct 243

<210> 33168  
<211> 252  
<212> DNA

<213> Glycine max

<223> Clone ID: 700893045H1

<400> 33168

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 caaccggaag cgaaacccca agatctccct ccggatcaac cagcttcggc gccctcggat 120  
 gcaaaacccg aagatcttca tccgaaccag ccagggttcgg agtctcccga agccaaagca 180  
 gagggggaag aagaggatga agaagaagaa ggagagtgcg ggttctgcct cttcatgaag 240  
 ggtggtgggt gc 252

<210> 33169

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700893046H1

<400> 33169

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 gtgacaggca aaggaccatt tgagaacctc ttgcagcacc tctctgacct gtggcacaac 120  
 accatcatca atacaattcg tggctactaa gtttgtatcc aatgacatgg ataagcctgt 180  
 gtccttctcg tgtaatcctg aatggatgaa ttttgagagt gatttgggag tgattgttgt 240  
 gatccatcta tt 252

<210> 33170

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700893048H1

<400> 33170

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 acgctatgaa gctatgttgc tcccatcggt tgggtcatat ttttcagaga agatatctga 120  
 agaaatctgc aattcagctg ctaagatggc caataattta gaggtggatg cactttttgt 180  
 gtacacaaag acagggcaca tggcatctct attgtcadgc tgccgtcctg actgcccaat 240

ctttgctttt actaccac

258

<210> 33171  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893049H1

<400> 33171

cagaacaacc agccgctgag gctcctgccc cagaatcaac caccgaagca ccaaaggaag 60

aaaccaccga ggcaccaaca gaaacagtag aaaaaacaac tacagaagta gcccagagg 120

agcctaaaga agttccagtt gagaccgagg aggtggtggc aaaggagaca gaggaagaga 180

agccagcaga agagaaatca gaggagaaaa ctgaagaagt gaaagaagaa gcagaggagc 240

ctaaagaaac tactgaaac 259

<210> 33172  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893050H1

<400> 33172

gtgtttaatc tgaaatttgt ttgaccaaatt tcatggcgga actgataggg cctcgcttgt 60

acagctgctc taattgtaga aaccatgtct cactccatga tgatattatt tccaagagat 120

ttcatggaag aaacggccga gcctttctgt tttcccatgc aatgaatatt gtcacggggc 180

caaaagaaga caggcatctc ttgactggcc tccatactgt tgctgatgtt tattgtggcg 240

attgccgtga agtggtt 256

<210> 33173  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893051H1

<400> 33173

gaaaagggtg gaaccgtggt ggtgtccgct ctgcagtttg cttgcaccga tgatgtctca 60

acaaatgtcg ccaccgccga gaggctagtt agagctgcac ataaacaggg tgcgaacatc 120  
 attcttattc aggaactctt tgaaggttat tacttctgtc aggcacagag agaggagttc 180  
 attcaaagag ctaagccaca taaggaccat cccacaatcc tcagaatgca gaaacttgca 240  
 aaagagttag gt 252

<210> 33174  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893052H1  
 <400> 33174

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 agggatggaa gtcaatcaac aacatatgaa catggttttc gtgttgggtt caaaggaaac 120  
 tatcaaggga gcaaggagga gaaatatttt attaataacc acttgagttt cagagtcattg 180  
 tatcacaagg atcctgaaac tggttctgct cgtattgttg gatttgaggt caccctaaac 240  
 agtataaatc a 251

<210> 33175  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893054H1  
 <400> 33175

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 gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcctgcaagt gcggcaacgg 120  
 ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180  
 cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa tgggtgtgcc 240  
 cgctgagaac g 251

<210> 33176  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893055H1

<400> 33176

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agcggactgc tggcctcata cattctggca atgagatttt ggagacatac acttattacc 120  
cagatgccag tcttcaagag agagaacatg ttttgaaca gcaaactgtg ttacgacaac 180  
ttgagtcaat attgtctatt cacaaattag taaggcttgg acattatgtt gatgcattaa 240  
gggagg 246

<210> 33177

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700893057H1

<400> 33177

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agttaccaat tgttctacac aagatgttta cgaactaccc gtggagagtg gaaagaccta 120  
cctgttgaga attatcaatg ctgcactcaa tgaagagctc ttcttcaaaa ttgctggcca 180  
caagctcaca gtggtagaag ttgatgccac atatgtaaag cccttcaaga ttgaaacaat 240  
tttgat 246

<210> 33178

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700893059H1

<400> 33178

atttgacta acctcccttc tatggagcct caggtaatgc catattttat tttttccctt 60  
gtttctaccg agtagagacc tttagaggca tcttccttgg tttcttgtgt tgtttatcaa 120  
gcaaattaaa tgtcatttgc tcccatcaga tcctctgatt aacttttctg aagtattaaa 180  
agtagagaca gctgtgattt tagttttatc gggtcactct tgtctgcaat aaaattcatt 240  
tttctt 246

<210> 33179  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893061H1

<400> 33179

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 tcatgtccca agagtgggcc atgacactaa tccttactat ttgatgatga acagataaag 120  
 taacttgatt ggaaaataag cattatattat ggaatagcag gaggcctatt ataccttcat 180  
 gaggactctt ggctcagagt aaatcataga gatctcaaag ctagcaatgt tctattagac 240  
 c 241

<210> 33180  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893062H1

<400> 33180

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 gccgattccg ttaagtgttt ctaccgtagc gctcaggaag gaggcattgg ctggtggtgt 120  
 tggttgtggt ggaggtggtt ttgccgatca gttgtggtag agggtaggaa agaaaaaaaa 180  
 agtggaaaat gagttcagac agccgcagca ggagcaggag cagaagcagg agcccaatgg 240  
 accgtaag 248

<210> 33181  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893065H1

<400> 33181

ccccaatccc aatacactcc caactcacia agccatgtct ccaggctctg ttgtcgacgc 60  
 ttcccctgag gttgaagcag agcaacaact tccctccgtc gatgacgcaa ccagttgaa 120



gaaatcccaa cgcagagga tgatgctccc gttgtcgagg acgtgagga tgatgacaag 180  
 gacgacgacg atgaggacga cgacgacgat gatgaagatg acaaggaaga cgatgctcta 240  
 ggtggtgctg agggttca 258

<210> 33182  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893066H1  
 <400> 33182

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 gatctccggc cgctgtccgg cgtcgttggc cctgacgtct ctggcgcggc agcggggagc 120  
 tccgacgcga agaatagggg gagccaagcc gatgactctc tgaggaaagt gatgtacttt 180  
 agttgctggg gtcagggtg aaccacacgt gatgaacggg ggagattaaa gtagtcgccg 240  
 gagaaagtga accg 254

<210> 33183  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893068H1  
 <400> 33183

cagcaatctc aactgcactg aaagaaagca atccggtgta tataagcatt agctgtaact 60  
 tgcttgggat tctcacccc actttcagtc gtgatcctgt tcctttttcg ttatctccaa 120  
 gattgagtaa caagatgggg ttggaggctg cagtggaggc agcggcagaa ttccttaaca 180  
 aggcagttaa accagtgtg gtgggtggc ctaaactgag ggtggcaagg catctgatgc 240  
 ctttgttga 249

<210> 33184  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893069H1

<400> 33184

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 aacttagaaa acatattgat gccacgttgg gtagtgga aa tctgaggaa gcagtaaagc 120  
 tacctcctgg ggaggattta aatgagtggc tagctgtcaa cactgttgat ttcttcaacc 180  
 aggtgaatct gctttatggg acccttacag agttctgtac tcctgagaat tgtcggacga 240  
 tgtctgc 247

<210> 33185

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700893070H1

<400> 33185

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 agcttcctga tgggcaagtt atcaccattg gagctgagag attccgttgc cctgaagttc 120  
 ttttccagcc ttctatgatt ggaatggaag ctgctggaat tcacgagacc acctacaact 180  
 ccatcatgaa gtgtgatgtg gatattagga aggatctgta tggtaacatt gttcttagtg 240  
 gtgggtca 248

<210> 33186

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700893071H1

<400> 33186

ggcgtgtaat aaagggcaac atgtgagaaa ggcaaagaag aagcaggtga aagacaagtt 60  
 ggatagactg aaacaggctg aaaagaaaaa gaggcgcttg gaaaaagctc tagctacttc 120  
 tgctgccatc atttccgaac tggagaaaaa gaagcagaaa aagaaagaag agcaacaaag 180  
 actcaatgaa gagggtgccg caattgctga agcagtggct ctgcatgttc tacttggcga 240  
 agactcaga 249

<210> 33187

<211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893074H1

<400> 33187

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 tctttcaatc tcttttcgcg atgctcgtgt tttcactgca ccaaaatgct ctcccaccac 120  
 tcactttcct catcggaatt tggttccaac tcgagcatca ttcacgctg gttccccact 180  
 gttgattcga agaaatcatg gaaggaatgg tgcatgcaaa gcaatgcctg tttcaataag 240  
 atgtg 245

<210> 33188  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893077H1

<400> 33188

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 ccctcaccaa agaagaacca aaacaatggc ggatcaactc accgatgaac agatctccga 120  
 gttcaaggaa gccttcagct tgttcgataa ggacggcgat ggttgcata caaccaagga 180  
 gcttggaact gttatgcgtt cattggggca aaaccaact gaggcagaac tccaggacat 240  
 gatcaat 247

<210> 33189  
 <211> 221  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893081H1

<400> 33189

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 tggatgatga gatgatgatg gtgaaggaga tgatgattat tagagtgtct gaaatatcgt 120  
 gtgtttgatg tctacttttt cgtcttctgt cggacatgtg tggtttttga atgatgattg 180

ttatcaaata tatgtgctat gtatagcaca gaagtttcta t 221

<210> 33190  
 <211> 104  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893082H1

<400> 33190

gactcagctc acgttttggtt tggcagtgct cttacctcca acttttgtat tctttcttttc 60

cttttctatt ctttctctct ccattcttcc tccttcacaca caac 104

<210> 33191  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893084H1

<400> 33191

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atgccgggca accgctacta cggcgggaat gaatacatcg accagatcga aaacctctgc 180

cgctcacgcy cctccaagc cttccacctc gacgcccaca cataaagcgt caacgtccag 240

ccctact 247

<210> 33192  
 <211> 218  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893085H1

<400> 33192

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ttgagggatg cctacaagaa taagaagtac ttgcctctcg atctccgccc taagaagacc 120

agggctattc gcaggaggct tactaagcac caggcatcat tgaagacaga gagggagaag 180

aagaaagagt tatatttccc actaaggaaa tatgctat 218

<210> 33193  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893041H1

<400> 33193

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 ccaacttgat acctctgatt ctttctttgc ttagaattcc acagaatatg gagactattc 120  
 ttttcaatca ctccccacct ttggaattca agggtttgag caaggaggag gaagactcat 180  
 tgctagggca agtggaataa tggaggtaca tgacatgctt cacggactcc gtggccttga 240  
 aagctgtcat aa 252

<210> 33194  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892991H1

<400> 33194

agagaagaaa ctttcgaacc caatgaggga gataaaagtg cagaagctcg tcctcaatat 60  
 ctctgttggc gagagtggag atcgtctcac cagagcctcc aaggtgttgg aacaacttag 120  
 tggccaaacc ccagtgtttt ccaaagcaag gtacactgtt cgttcctttg ggattagaag 180  
 aatgagaag attgcatgct atgtcactgt cagaggtgac acagcaatgc aacttttggg 240  
 gagtggtttg a 251

<210> 33195  
 <211> 205  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892993H1

<400> 33195

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 ggacactact aacattgtct ctgcgaggtt ggccctcact gttctcattg gtgctgctgc 120

tgttggctct aaggttgac ctgctgatgc tgcctatgga gaagctgccca atgtgtttgg 180  
 aaagccaaag acaaactg acttc 205

<210> 33196  
 <211> 85  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892994H1

<400> 33196

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 tggacttcgc ttctgttcac atgta 85

<210> 33197  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892996H1

<400> 33197

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 ctccagcccc accgtattcg ctccgtcgtc gccggcagca gaaactccct cgccatcgct 120  
 gacgacggca aattgttcac ttgggggttg aaccaaaggg ccacacttgg gcaccctgct 180  
 gagaccaagt ctgagaacaa gactgagaac actcccagcc aggtcaaggc tctttccagt 240  
 gttaaaattg ttca 254

<210> 33198  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893002H1

<400> 33198

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 ttcagagaag agattcatgc cagcgatgtg gggacgcaaa atatggagat agagttgatt 180



cggctcgagc agttcttaat tgtttcaacc tcttcttact tacatgacaa gaaaaataat 60  
 ggggtactctc acctcaaaca taaaccttag ccacaatac aatgttccca aagactatcc 120  
 accccatggg tctgtagttg aggaaataca agggcttatt agagtacaca aacatggata 180  
 cgtggaacga ccacaagttg ttccatgtgt cactgctagt agtaaaatga gtccagaact 240  
 aaatgtgaca tcaagaga 258

<210> 33202  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893010H1

<400> 33202

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 ttgggaccat gtttgaactt gcaagcatgt ggataaccaa aggagtccta tgcttgcattg 120  
 gttgtatttt gcaattgtaa atatttgtca tgatgggggg gggggcgggtgc ggtccgggtct 180  
 caagtgaatg ggtgtgtttc ttgacctaat ggggggttca tggaaactgt gaattttag 240  
 aataatta 248

<210> 33203  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893011H1

<400> 33203

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 ccattccatc cattcacctt gttctatgtt catctccagc accccttgat tcattcattc 120  
 aaaagccaca aacttgaatt gatgatgggg tacctctacc tttcttgag agccgaatcc 180  
 gctgtctcaa cctccaattc ggtgtcctct tccaaagaga aaagcagcag catcaagatc 240  
 caagagtttc tgtac 255

<210> 33204  
 <211> 254  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700893013H1

<400> 33204

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gcaccaccct ctcttttctt cttcttcttc ttctttctct tcttcaaaca ccttcaccat 120  
ttgcatacca cttagctcca aaaacccatt tctgtttctt tctggtgatt tgatggatcc 180  
gcagatctaa tgatttcaca cactttcttc actacggata atctacttct tcatctgggg 240  
cacccaatag ctct 254

<210> 33205

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700893014H1

<400> 33205

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cgagggtactg aacaaaacca ggggtacttt ttggtttctg cttttttctt tgcaaagctt 120  
gtggagtgcc tgaccogaag gcattgggtc tttaggttgc agcaagttgg actccgaatc 180  
cgagcgctgc ttgtcacaat gatctataat aaggctctga ccctttcttg tcaatcaaag 240  
cagggtcaca cttctgg 257

<210> 33206

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700893017H1

<400> 33206

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aaattatgat ataagagaac aaaaactccc ccttaaagcag ataaggtata tataagccac 120  
ccttcagagc aatttggtcca tcttcttcaa tttattagca gaagatgtgg tgcattagat 180  
taccttagtc tttgtcctag tgtcttccac aacaacttgg acatacgttt ccaaattctc 240

acataagaga agaacaatag ttctct

266

<210> 33207  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893021H1

<400> 33207

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 agcataacaa tggtatcccc aacggacact tccgtaagca ctggcagaac tatgtgaaga 120  
 cctgggttcaa tcagccagca cggaagacaa gaagacgggt ggctcgtcag aagaaagctg 180  
 tgaagatttt cccagacct acagctggac ctcttagacc cattgtacat ggtcaaactt 240  
 tgaaatacaa catga 255

<210> 33208  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893026H1

<400> 33208

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 tgctttcgcc ctcttcgtcg cgtctccgt cggcgccaac atctccggcg gccacgtcaa 120  
 ccccgccgtc accttcggcg ccttcgtggg cggcaacatc accttactcc gcggcatcgt 180  
 ctacgtcatc gccagctcc tcggctccat cgtggcctcc atctctctcg ccttcgtcac 240  
 tgctccccct gt 252

<210> 33209  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700893027H1

<400> 33209

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ctgctcttct tctacctttc aactttttaa agtataaaaa tggcagagac attcctat 120  
 acctcagagt cggatgaacga gggacaccct gacaagctct gcgaccaa atctccgatgct 180  
 gtcctcgacg cttgcctcga gcaggacca gacagcaaag ttgcctgcga aacatgcacc 240  
 aaaaccaact t 251

<210> 33210  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893028H1  
 <400> 33210

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 tgtttctttg tcatgggatt tggaccaatt cctaataac tttgtgcaga gatcttcccc 180  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700893029H1  
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 gcaacaattg tgcagcttag ctttgggaat cgccttggag ctcttcttga cacgatgtaa 180  
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<223> Clone ID: 700893030H1

<400> 33212

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aaaacaatta tttgggttgt gcttttagcat tcttcccaga gtattttaga ttttaactgta 180  
cactatgtct cacttggtta gagaccgatg agatattaac aacggatgtt ttagaagggtg 240  
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<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700893031H1

<400> 33213

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cactgacttc attcgaaata agttagtttt atccattcct aattatgttc tgtcttgtct 180  
ggtttctagt acttgggatg aagttgttgt gctggcatca tctgatttgt cattacaaat 240  
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<210> 33214

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700893033H1

<400> 33214

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ttatttgagc catgttttat attgctgcta attactttct atgtgccctt tttcttaatt 180  
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tcgacaaaa taatc 255

<210> 33215  
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 <212> DNA  
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<223> Clone ID: 700893036H1

<400> 33215

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 <213> Glycine max

<223> Clone ID: 700893037H1

<400> 33216

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 tcaaaatgct tccgatcgtt tgctagggtt ttccctctcc caaatctcct cctcggaag 180  
 caccctgtac cttttattcc tccgactaat caacttcttt gctatggcta ttcgtgtaac 240  
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<210> 33217  
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<223> Clone ID: 700893038H1

<400> 33217

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cggcaggcaa ttgaacgtct ttaagcaatg ggtcttgatc gtgcaatcgt attggaggtg 180  
 tacttcgctt gtcacatgaa tgtggtattg gctgccaaact accttttgga tcacatgcat 240  
 gagttcgagg aac 253

<210> 33218  
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 <212> DNA  
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<223> Clone ID: 700893040H1

<400> 33218

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 agatcatcac ccctaactac taccaaggca aagagagagc catgcttctt cctaattgcc 180  
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 <212> DNA  
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<223> Clone ID: 700892990H1

<400> 33219

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 gaggaacatt gttgaacagg ctgcagtcag agatgttcag gaggcttgtg tctatgaaca 180  
 atacacgctt ccgaagcttt atgtgaagat gcagtattgt gtttctctgtg ctatccactc 240  
 tcatgttgtg 250

<210> 33220  
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 <212> DNA  
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<223> Clone ID: 700892942H1

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 cgacctcccc ggtgtcgcca ccgccgccga ccgaccgtac ggactcttct ccggccactc 180  
 ctccgacagc gagtctctga tcggaacccc tgacgacagc gatgacgacg aaaacgatgt 240  
 cgtttcgtcc aaaagaaa 258.

<210> 33221

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892943H1

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 atacgacaaa gtattgctga agagtatccg ggccttgaac ctgttttgga tgatatactt 180  
 cccaagaagt cccctcttat agttgctaaa tgtcagaacc atctcaatct ggttcttctg 240  
 aacaacgtgc ctttggtttt 260

<210> 33222

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 700892945H1

<400> 33222

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<210> 33223

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892946H1

<400> 33223

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 ttggccacaa gagccttctc cagagtgatg ctctttacca gtatattctg gagaccagtg 180  
 tctacccaag agaacctgaa tccatgaaag aactgagaga gttgacagca aaacacccat 240  
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<210> 33224

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700892948H1

<400> 33224

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 tgagctgaag gagaagacag acaactttgg ttcaaaggca ttaatagggtg aaggatcgta 180  
 tggaagggtg tattatgcaa ccttaaaciaa tggaaaagca gtggctgtga aaaagcttga 240  
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<210> 33225

<211> 133

<212> DNA

<213> Glycine max

<223> Clone ID: 700892949H1

<400> 33225

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<210> 33226

<211> 135

<212> DNA

<213> Glycine max



<223> Clone ID: 700892950H1

<400> 33226

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ctaataacta attca 135

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<223> Clone ID: 700892951H1

<400> 33227

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ttttggagtg gttcttcttg agcttataag tggtcggcaa cccatcccta aatctgcagg 120  
caaagaagaa agtcttggtta tatgggcaac ttcacgctta caggatagta ggcgagcatt 180  
aacggagttg gctgatccac aattgaacgg gaacttcctt gaagaagagc tgcagataat 240  
ggcatactta gcaaa 255

<210> 33228  
<211> 253  
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<223> Clone ID: 700892952H1

<400> 33228

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aaatcaaagg gtgtgcaact gacacgcggc gacggctaata cgaatgaaac attttagatt 180  
agatacgtag tgctgtaggg aatccgaaac cggcacgcgg agacgtcacg tgcgtcgttt 240  
aaccgttttg gac 253

<210> 33229  
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<213> Glycine max

<223> Clone ID: 700892953H1

<400> 33229

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agactctgtt gcactcttcaa tgaaattaag gttccttgga agaagagaac caagccaaca  120
caaagctatc ggatatagct gacttggttg aaaaaaaaaat aattaagaac agcaaagctt  180
ggcccttgga aaggccaagc ccaaacgaac catcttctta acttgggccc aagacgggct  240
aagtaaaagt acaga                                                    255

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<210> 33230

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700892958H1

<400> 33230

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gttgacagttg cagagacatc atcaccaata ccaagggagg tgctaatttg atctcaccgc  120
tcccacgatt cttctcgaaa tgttccccct atgttttgaa agttggaata ccagagtttc  180
taaacgggat tgggaagggg gttgagtcac acgttcctaa gcttgaatct gaaatcggtg  240
atttcagaa acttctcg                                                    258

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<210> 33231

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892959H1

<400> 33231

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gtgttcactg ctttgtgcca agggaagatc attgatccac ttttggaatg ccttggggag  180
tggaatgggg cacctcttcc aatatgttag ttttcttat tttctgtttt cttgaagagt  240

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252

<210> 33232  
 <211> 84  
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<223> Clone ID: 700892962H1

<400> 33232

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cctcctcgcc gccaccgct ccgc 84

<210> 33233  
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<223> Clone ID: 700892963H1

<400> 33233

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cccatatgtc tctcctgacc cagagagccg cagattgcgc gcagtcttgc ccatgattca 180

ggccttgaag ctgaatatat tcttgcaggg tgtggtgcag atgagcttat tgatttgatc 240

atgcgttggtg tgctggatc 259

<210> 33234  
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 <212> DNA  
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<223> Clone ID: 700892964H1

<400> 33234

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gatctcatga tagcatggtg actctagaga acagagtgcg aggtcttgag agaattggtg 180

aagacatgtc acgagattta tccatatcat caggtcgtag aaactttgca ggatttgaag 240

gatcatctaa taggcctt

258

<210> 33235  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892965H1  
 <400> 33235

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 cagcacatta ttccccaggt tttggacatg gttactgac cacattatct gtatcggatg 180  
 acaatcttac aagcaatttc tctactagct cctgttctgg gctcggagat tacttcttca 240  
 aaactg 246

<210> 33236  
 <211> 94  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892966H1  
 <400> 33236

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<210> 33237  
 <211> 252  
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 <400> 33237

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 acctcattct tatttggtat attaaattaa attgatccag gggaaatcag aaatactctg 180  
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agttgctttt cg

252

<210> 33238  
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<223> Clone ID: 700892968H1

<400> 33238

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 tagaaaatgg taaaaaaata gcagtgaaga gaatggaatg tggagctgtt agcagtagag 180  
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 tatccctact a 251

<210> 33239  
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<223> Clone ID: 700892970H1

<400> 33239

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<210> 33240  
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<223> Clone ID: 700892972H1

<400> 33240

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 ctggaccagc ttctgacgag gaggatgaag tccatgtgag acaaaaagt accgaggtgg 180  
 accctctgga agaagccaat ttcgatcagg agctcaaggc tgtagtacag gagagtatgg 240  
 aacagcgaag g 251

<210> 33241  
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 <212> DNA  
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<223> Clone ID: 700892973H1

<400> 33241

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<223> Clone ID: 700892974H1

<400> 33242

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<223> Clone ID: 700892977H1

<400> 33243

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 ggttacaagg aatttgagat ggatgccgtg ggaagttgag gggaagtggg ttgttaaagg 180  
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 <212> DNA  
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 <223> Clone ID: 700892980H1  
 <400> 33244

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 gaagaagaag ctcttttggc cctatgtcct caactattcc ttgtcttctc ctcttttgt 180  
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 ggtttgacaa tactgag 257

<210> 33245  
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 <213> Glycine max  
 <223> Clone ID: 700892981H1  
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 acagttcttt tctgaagctg atgcaccggc tctccaccg gccttgcttc catcttggt 180  
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<210> 33246  
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 <212> DNA  
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<223> Clone ID: 700892983H1

<400> 33246

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<210> 33247

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700892984H1

<400> 33247

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gtgtatggtg ctggataatg aggcgctcta cgatatctgc ttcaggactc tcaagttgac 180

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<210> 33248

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700892941H1

<400> 33248

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gcacttcttc ttctggcgga ggtggggccc atggctgagg ctgtgacatg caccacaaca 120

gagttgagtc cgtgtcttcc agcaatcact tccggtgcta aaccttccaa tgcttggtgc 180

acgaagctga agcagcaaaa accatgctta tgtggctacc tcaaaaacgc tagcttgaag 240

cagtatgtta actctcc 257

<210> 33249

<211> 236

<212> DNA

<213> Glycine max



<223> Clone ID: 700892893H1

<400> 33249

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 cttccgttac aaggaaattg agaattggaat gctgtgggaa gttgagggga agtgggttgt 180  
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<210> 33250

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700892894H1

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 acgaaccctt tggtcgagaa gcgtccgaag cagttcggga tcggaggcgc gctgccgccg 180  
 aagcgggacc tgacgcgctt cgtgaagtgg ccgaagaacg tccaaatcca acgca 235

<210> 33251

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700892895H1

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 acgtggatgg gaagcagaag ataatgttcg caatgacctc catcaagggt attggaagga 180  
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<210> 33252

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700892896H1

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 gctgctgttg ccgccatcaa gaccaagagg accattcagt ttgtggattg gtgccctact 180  
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<210> 33253

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700892904H1

<400> 33253

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 gtgaaagtgc aggtggtgga c 141

<210> 33254

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700892905H1

<400> 33254

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<210> 33255

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 700892906H1

<400> 33255

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gagagagaga gaacaaagac tcattgtggtg ctggaaagga gacggaggct agaagaagaa 120

g 121

<210> 33256

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892907H1

<400> 33256

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aagagaatcg gctcgggtaa atcccagata ctggttccgg ccaatattcc agattcatct 120

gcttctgcct ccagtttctt gtcccattat gtctccaaga aaaaccactt tgcctattct 180

tgttactggt agttcgaagt gaagacattc ttagcatcca gtgggtaatg ttgtgtacca 240

attgtactga atgatgcttt cc 262

<210> 33257

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892908H1

<400> 33257

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ttcaattcga cactttcctc gttcaaaga ttaagcgaac aatatgggtg tccttgctgc 120

atccattgtg agcaaactcg gcaaagtgc agtttctaga cagtttgtgg atatgactcg 180

cataagaatt gagggctctc tagcagcatt tccaagttg gtagggactg gaaaacagca 240

cacgtatggt gaaactgag 259

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<223> Clone ID: 700892909H1

<400> 33258

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 tccactggtg aagttgaagc cataaaagct aaaatcattg ctcaccctca gtactctaata 180  
 cttttagaag cctacatgga ttgtcaaaag ataggagcta caccgaagt ggtggcgcgt 240  
 atggttgcggt ctaagcaaga gt 262

<210> 33259  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892910H1

<400> 33259

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 cactgagctc tgttaccaac aacaacaagc cttcatccga agccttcttc aggccactac 120  
 ccctacgcca accaaagagg accctcttca ccacgaaggc agtgtcaaac tccaagcctc 180  
 aaatcaatgc atctttgaag gagaaggcag ttgccggact cacagcagct tctgtgacag 240  
 catctatggt ggttccgga 259

<210> 33260  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892911H1

<400> 33260

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 aaggaagcct tcagtttggt cgataaggat ggcgatggtt gcatcacaac aaaggagctt 120  
 gggactgtta tgcgttcggt gggtcagaat ccaacagagg ctgagctcca agacatgatc 180  
 aatgaagtag atgctgatgg gaatggcacc attgacttcc ctgagttctt gaacctcatg 240  
 gctagaaaga tgaaggacac tgat 264

<210> 33261  
 <211> 263  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700892912H1

<400> 33261

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ccagccattt ctgatgaagc agtcatcaag gcagtagaga ctgcaacaaa agaactaaac 120  
ttgacaagca agttgatgat tagtagagcc tatcatgatt cattgtttat ggccagggtg 180  
tctccaatgg gcatgatttt cattccatgt taaaaaggg acagccataa gcctgaagag 240  
tttgccacca ttgaagatat gtc 263

<210> 33262

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700892914H1

<400> 33262

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tcaactcttgg tcttgcgaga gaaagccatg ccagagacga agatttttgg catgctgttt 120  
ggccaaacac tccattcca agttcattgc gagatcttct aaagcctggc cctgcaagtg 180  
ttgaaatcga tgatcacctt atgcaaattg aagaaacaca gtacccgaaa accttctgct 240  
ataaagaaga ccttcatcca ggca 264

<210> 33263

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 700892915H1

<400> 33263

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tgttgtcgga gaaggtgaca ct 82

<210> 33264

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700892917H1

<400> 33264

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tagtagaaaa tcatcatcat cgtatccatt g 91

<210> 33265

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892923H1

<400> 33265

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gtagctgttg ttgtgttcct tatattattg ctttggcagc gtcacagatt tttcttcgct 120

tcatctccgt cgtctccatc cacttcatta ctgctcttcg attctatcaa ttcaaactca 180

aactccagaa gcagaacctc aaattttgtg acagatgcag atttgaaatt tttaatggag 240

attttggatg agaagctcg 259

<210> 33266

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892925H1

<400> 33266

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tgggtaatct gaagtgcagc gatggcggat ggattgcact cgcggcatcc atcagtagtt 120

cagaagttat ctggacagtc ttatttgttg tctaggcttg cccctactca ctcaagaaac 180

tattccacaa ctggtagtta cctcaatgga ggcttgagct cttcggggtt ggttccagtc 240

atggcacatg caccggctg 259

<210> 33267

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892926H1

<400> 33267

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tttccactgt gtctacaaaa cacaaaaaac acaagttttt gagcacaatg gaatctgaaa 120

acgggggttg tgtggaggaa gagaaacgtg tcattggggt aacaaccaag gtggcgaatg 180

taaagaaaga agttgaaaat gactgcaatg gtgcagaaat tatgcccaag aatgaagtat 240

ctaaaccac agtagtggt 260

<210> 33268

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700892927H1

<400> 33268

cacgattttg cttgtctag caactgggta tgatgttgat ataatacgta attgcatgtc 60

aaattaatga ttgtgatgct attgtagttt g 91

<210> 33269

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 700892929H1

<400> 33269

aacaattcta tatcattttt ctcaatagtt gcacgcgtct cgatgtcatg attagacatc 60

attttttcct ttagtaaatt aaaatcatag tacttcgatt tatctgtaaa aatcataatg 120

gaactcaaat taaatctcct atgggtctcaa tat 153

<210> 33270

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700892931H1

<400> 33270

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 actccctttg agcaatgccg tgactcttgg aggggttgca tttcccgcca tggctccggt 120  
 gatctccggc actcttttga cgaatcctct ggcagcttct gctcagcttc cgcaacatgc 180  
 agctgcagct gctgttgccg cgcaaaagt gaataacat aagatccaag atgaattaat 240  
 aattgctcga gaaattgtca taaat 265

<210> 33271

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892933H1

<400> 33271

caacccttat ggcataatggc gatgactaca acaatttggg gttgaatatg aagaaaaagt 60  
 cagccaacct ttttactcag catgtgccat ctgaatgtga atcaatcctt caacttggtc 120  
 tttcgggtgt aacaaatgag gcatcaagtg tgcttgactg ctcagggttc actgagactg 180  
 atgtgaatat gtcatgtttc tcaagccaaa cttcttcaga aaattattat tcaaggattc 240  
 ctgttggtga tgagggttc 259

<210> 33272

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700892934H1

<400> 33272

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 tgattctctc tctcgccatt ttcgccattc 90

<210> 33273

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892936H1



<400> 33273

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 aaaggtcagt ggctttatgc taatggttgc cgatcatatc cagaatttag catggatgaa 120  
 tggacacatg atgaggatct atatgatgtt agctactctg aaatgtcctt tggagttcac 180  
 tggtgccctt ttggtaactt gaccggattg cttcatcttt cgaggaaggg gattttgctt 240  
 caattgcata tcatga 256

<210> 33274

<211> 257

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892938H1

<400> 33274

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 gctcgagctc ttacagttcc acgttatttc agactccgtg tctagctcca actttgatac 180  
 actgaccaac cccgtgagaa cactggcagg ggctaaacct ggaaagggtg aacttaatgt 240  
 gataagttat ggagggga 257

<210> 33275

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892939H1

<400> 33275

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 tttcctttca ttttccctca ctttctcgct ccccaaacgc ccctctctct cctccaatgg 120  
 ccgaccagct caccgacgac cagatcgccg agttcaagga ggccttcagc ctcttcgaca 180  
 aggacggcga tggttgcatt actaccaagg aacttgggac tgttatgagg tcacttggtc 240  
 aaaaccaac tgaggc 256

<210> 33276  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892892H1

<400> 33276

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 cgctcctcct tcttcttctc tctccggtgg tggtgactcg ccggaagaca ccaacttcca 120  
 ccttcaacgc cgcctctggt gaacaccctt ctcaaaatct cacctgaccc aattccactt 180  
 tctcctttct cttctcaatt tcccatctgg gtatccctgt ttcctcaaaa gttct 235

<210> 33277  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892940H1

<400> 33277

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 aattttcgaa aagagaagag agaggaacaa caacaccctg tgttgaatct tcaagctgaa 120  
 tcaaatcata tagagagaga aagagagaga cccggatagg aaaatagcgt ttagagagag 180  
 aaaggtgaag tgaggttggt taaagtttgg gtcttggtgg gtgaaagga aagatgacgg 240  
 atgtggtact gcatatat 258

<210> 33278  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892854H1

<400> 33278

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 tgttctagta gttctcaggg accaccttca cctggctact accccagttc caaaattagt 180  
 cctgttagtt tttatcaagg gtttagaaac ctatggggac ctcagcatca gaggcta 237

<210> 33279  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892855H1  
  
 <400> 33279  
  
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 caaggaaggg cagccaaggt gttgcagcca cacggaggcc atcaatcacg tctactcatg 120  
 ctgcgagaag tgtggattca ccaaaactgt ccaagggtaa gcagcctctc ctgccaccaa 180  
 ctagaaccaa agtatcaacc caaagtcgct atcattttga tgctcccgac aaagcattg 239

<210> 33280  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892856H1  
  
 <400> 33280  
  
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 tcgcttttgt gttcagaccg gatcctagct ccgcatcgca aacatgtcga gcaagcaatg 120  
 tggaaaagct aagcctttgc aagaaccgca gtctgataac aagggttacg acgagaatga 180  
 tgtggctaac attcagcagg aaaaggaaga gga 213

<210> 33281  
 <211> 228  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700892859H1  
  
 <400> 33281  
  
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 atagaggcaa tagcaaagtc atatggagcc aggggtgttg agtactcaga acaggctgag 120  
 aagcagattg agatgtatag caagcaagga ttttcaggctc ttccaatctg catggctaag 180  
 actcagtatt ctttctcaga caatgctgca gcaaaggag ctccaagt 228

<210> 33282  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892860H1

<400> 33282

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 acctcatctc gtctcacctc agggtttgtg aaatcgccag tgagtgctag gaatcccttg 120  
 aggcaagctg tggcaatggg aaatgggagg gttacatgct tcgagaggaa ttggctgcgg 180  
 gcagattaca gtgtgattgg gtttgggttg attgggtggc tagcaccctc aagcgta 237

<210> 33283  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892861H1

<400> 33283

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 cgacttcaaa tatatatatc agatgcagga gtacttgcag tatgctatgg ccttttccgt 180  
 cttgccatgg caaaaggact tgcctgggtg gtgtgtgttt atggagtcc attgcta 237

<210> 33284  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892862H1

<400> 33284

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 tttcaactcc tgaggaagca tctcgtgctc tcggtgagat gaatggtaaa atgattgctg 120  
 gaaaacctct gtacgttgcc cttgcacaga gaaaagaaga cagaagagca aggttacagg 180  
 ctcagttttc acagatgagg cctgttgcaa taacgccttc tggaataacc ccgtatgcc 239

<210> 33285  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892864H1

<400> 33285

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 accgggccaa gtatgaggcc actgcacgca gctggaccca gaagtatgcc atgggctgat 180  
 ttgtgtttgg ataatgtata ttgaaatgga ttgcatctat gaaaactttt gtgggtttgc 240  
 ttttcacttc ctgttttctg g 261

<210> 33286  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892866H1

<400> 33286

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 gcagaggagc gtctacactg gcgttctttc ttgggttaaac taggagctga caatcttaag 180  
 ggtgtaaaaa atgaagaact cctagttgct tgccataatg tcagaagtga tctttgtga 239

<210> 33287  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892867H1

<400> 33287

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 gagaaggtat tgtccagcga caatccaaga tatggatata atgctgccac cggaaaatat 180

gaagatttga tgtctgctgg gatcattgat ccaacaaagg tggtcagatg ttgcctg 237

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892868H1

<400> 33288

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gccaccgtcc ccgcccacaa catcacccgc atgctggccg cacaccccggtttctccacc 120

ttcaaccact acctctccgt caccacacctg gccgaagaga tcaaccgccg ccagaccatc 180

accgtcctgg cctcgacaa tgccgccatg tcttcctcc tcgacaagca gctct 235

<210> 33289

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700892871H1

<400> 33289

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aaagtaaccc ctctcaacaa caacatcaaa gcgactgaga ctccccaaaa tgaaggccaa 180

gtaaacaagc cagaacaaca accaacattc attcctgaaa ctgaaaacag ttatggc 237

<210> 33290

<211> 235

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892873H1

<400> 33290

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tcctcccttc gtagatctca atcgaagccc tcaatttccg catcgaaatc gcccttcacg 120

tcatccaacc gtgnctcacc gcacggatac ttgctgaacc gcgtcgccga gtacgccacc 180  
gccgcggctg ctgctaccat cccacatgcc tgattgttcc ggggaagaag gagct 235

<210> 33291  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892874H1

<400> 33291

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attcaaaggc attgtaagga caatcctgca cattgttggc atccatcttc catcatctc 180  
cacttcaccc tcttcaccag atccctccca agccgcacct gagtcatttg aattgca 237

<210> 33292  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892876H1

<400> 33292

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aaaaggaaaa atcgacgccg gcccttgact aagggttttg agagtacagc catggtgtca 180  
gttctgtca tttgtaatca gcttcccagt tcaagcagtt ctccactgtg tggggg 236

<210> 33293  
<211> 237  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892879H1

<400> 33293

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aatggcaggg agcgtccca ttccacgca agagtctgtg tacatggcga acatggggga 120

002250-ETFE50

ccaggccgag cgctacgagg agatggtgga tttcatggag aaggtctccg cctccgccga 180  
gagcgaggag ctgaccgtgg aggagcgcaa cctcctttcc ggagcttaaa agaaggt 237

<210> 33294  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892881H1

<400> 33294

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agagtgggag caaagaggct tttgggaacg acgtcgttgg gcgttagggg tccggcgagg 120  
ctgtaccacg agaggggtgt ggatcactac gacaaccccc ggaacgttgg atcgttagac 180  
aagaacgacc cgagcgtggg gacgggtttg gtggggggcg cggcgtgcgg cgacgtgat 239

<210> 33295  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892882H1

<400> 33295

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gcctattggg gccactccgg agtatatggc tggtttctac atgctgcaaa gtgcaagctc 180  
ttttctgcct gttatggctt tggctcctca agagaaggaa cgtgtcattg atatgg 236

<210> 33296  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892883H1

<400> 33296

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catcggtcca aagggtagca ttagcacttt ctcttctca tttagattca catgcagggc 180  
ttaggtcacc attgggtact cctgaagcgc aaacccttgc tcattggatt tgcaa 235

<210> 33297  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892884H1

<400> 33297

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ccatggcttc aaagctttta ctcatcactg tcttcgtttt tgatttgatt gcttttggac 120  
ttgccgtggc tgctgagcag agaagaagca ccgctagtgt tgtgacggac aatgaaaaga 180  
attataatta ctgtgtctat aactctgata tagcaactgg ctatggtggt gg 232

<210> 33298  
<211> 168  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892886H1

<400> 33298

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cagatggcgt ggagaaaagg gtgtgaggaa gtggctaatt cggagcctct gttccacacg 120  
atctacgctt gtgtcagcat gggcgtaag gacggctacg gctgcac 168

<210> 33299  
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<213> Glycine max

<223> Clone ID: 700892887H1

<400> 33299

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cgtcgagccc cccggcatcg gctccactca ggaccctac accggcgccg tccgccccgt 180

cgtcttcatg tccggccgcg tcaacggcca gtacatcatc gagggcctct cctccgga 238

<210> 33300  
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 <213> Glycine max

<223> Clone ID: 700892888H1

<400> 33300

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tggtgtgcct gagcccttgt ctgtgtttgt tgacacttat ggcaactggga agatccctga 180

caaggaaatc ctcagcattg tgaaggagag ttttgacttc aggcctggca tgatc 235

<210> 33301  
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 <213> Glycine max

<223> Clone ID: 700892889H1

<400> 33301

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cagtcaactg atcttccaaa tttgataagc tttcgccag aataaatcag gagaataaga 120

gaattctgtt atctgcctgt tgaacaattc tctgtacata tttatggcta ctgtttggat 180

aaaaaaatgt acataaaaat ggcatagaag aagttaaatt atgctttatt ttgcatgt 238

<210> 33302  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892890H1

<400> 33302

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tcaaaaccct tcaacaaaaa aatggcgctt ttcttgaacc aaactagtat cgcttcccat 120

tttcgatctc actctcagaa gactgaagat ttggcttctt ttcctcgccg tcgattccac 180

gtcgaatcag gggctcgtga aaaagctctc ttggcagaag atgcaactct gaaa 234

<210> 33303  
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 <213> Glycine max

<223> Clone ID: 700892891H1

<400> 33303

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 ttggaagctg actttatcaa cccctatgat gctgcatctc ggattaacta ctttatcgtt 180  
 cctgagttta ttgggcaggg attgttgtgc gctttctgcc ttttaactgg tcat 234

<210> 33304  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892848H1

<400> 33304

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 aagtagttca ttccccatta ctcaactcgt tgttttgaat tttatttggt gcttcgtttc 180  
 ccactatgaa agaaggtaaa tcagttaaac tcaaccatca acaaccgcac cagaacggtc 240

<210> 33305  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892810H1

<400> 33305

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 taccctagaa gtcgaaagct ccgacaccat cgacaacgtc aaggctaaga ttcaggacaa 180

ggaggggaatc cccccagacc agcagaggct gatcttcgcc gggaagcagc tcgaggacgg 240

a 241

<210> 33306

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700892812H1

<400> 33306

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ccttttctca aagcaaaaaa aatcttcatc gagagtttca aggttgagag tcctaacgtg 120

aagtacacag agactgagat tcagtcctgt tacaactatg aaaccactga acttgttcac 180

gagaacaata atggcactta tcagtgggtt gtcaagccca aaactgtcaa atatgaattt 240

a 241

<210> 33307

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700892813H1

<400> 33307

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gttgcgggaa gcctcttaac cctggaggct caagggcctg tgcagttggt cttttcataa 120

tctgctgggt gtttttcatc atagctgagg tgtgcttggt ggctggatca gtggaaaatg 180

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<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700892814H1

<400> 33308

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gtactatata tctgccatta cttgagatct gatcatatcc ttcaataaag cagcaaagca 120  
gcaatgagat ccaaaacaac ccaattcaca tgtaccttca aggtagccct tctcagcctt 180  
gcgggttttct gcctcttcat cttggtattc aggtcatcca tattctcatt gtctcctcaa 240  
ct 242

<210> 33309  
<211> 240  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700892815H1  
<400> 33309

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tgatccaatg gactatactg ctcttgcaac tgtggaattg gatcatgatg tgatgatcga 120  
ggaggttgag gagtattttg ccaattacat agtcaatgac agtctgggaa taattgccaa 180  
tgcacacact gtctttgcag ataaagaaca tttgaaagca atgtctgatc aatgtgttaa 240

<210> 33310  
<211> 241  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700892816H1  
<400> 33310

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gcaaagaact caatttaatt agtctatttg taccaaaatg gcttctcaag tttgtgagac 120  
tttgactttc atcaacggtg atgatgggtt gaaaatcaac ggtgctcttc taatgtcatc 180  
attgatggaa gagccatcac caagtgatga gagtgatgat gatcgattgg atagcttgat 240  
t 241

<210> 33311  
<211> 248  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700892817H1

<400> 33311

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 cacaggccac ggcctccat gtccgcggca ggccaccgcc gccctacgac tccggctcgt 120  
 tccggttcga gccgattagg gagtcgatcg tgtcgcgcga gatgaccgc aggtacatga 180  
 ccgacatggt caccacgcc gacaccgacg tcgtcgtcgt cggcgcaggc tccgcgggtc 240  
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<210> 33312

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700892821H1

<400> 33312

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 tagaatagta attttgatcc ataagcaaata tagacatgat atgctcattt acgttaatga 120  
 taactgacta ttgctaacta tgttttgctg tctaccttct cttccattcg ggtgacacag 180  
 cactgagatg cttactgggt aacactttat taagctctta aaagaagggt ggtcatggcc 240

<210> 33313

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700892822H1

<400> 33313

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 gaaggagctc aaggacttac agagagatcc accaacttca tgcagtgcag gacctgtggg 120  
 tgaggacatg ttccaatggc aagcaaccat cattgggtcca aatgacagtc cctatgctgg 180  
 tggtgttttc cttgtgacca tccatttccc tcccgattat cccttcaaac ctccaag 238

<210> 33314

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700892824H1

<400> 33314

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 ttatttttat atcttcatca agatgcgccg agggagaacc gccgccgccg ctgccgccgt 120  
 tgtggatccc acgccggacc aggccaagga gacgacgcgg ttc<sup>x</sup>gtggcg tgaggaagcg 180  
 gccgtggtgg cgattcgcgg cggagattcg agatccgtgg aataagcagc gcgtttggct 240  
 gg 242

<210> 33315

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892825H1

<400> 33315

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 tataactgat ttagtaggaa gaaagtagag ttgagtagct atatctgac aagctatatg 180  
 gaaaaactca gcagtaatat gtgattagaa cttatgccgg ggnccctct atccttgagc 240  
 aga 243

<210> 33316

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700892826H1

<400> 33316

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 gcggattctt ctcgggagga gaacgtttac atggcgaaat tggcggacag gccgagcgtt 120  
 acgaggagat ggttgagttc atggagaagg ttgcaaagac tgtggaggtt gaggagttga 180  
 cgggtggagga gaggaatctc ctctctgtgg cttacaagaa cgtgat 226

<210> 33317  
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<223> Clone ID: 700892827H1

<400> 33317

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 ccaaggaacg tggcattggt tggaagactt gggcacccca gcttaagatc ttggctcatg 180  
 gagcaattgg acggtgcatg agtcactgtg gctctggctc tgtgattgag aaggttcatt 240

<210> 33318  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892828H1

<400> 33318

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 aactcaaagg atgatcctgc caacgaggct gctaacttca ctgcccaggt tatcatcatg 120  
 aaccatcctg gtcagattgg aaatggctat gccctgttc ttgactgcca cacttccac 180  
 attgctgtca agtttctga actcatgacc aagattgaca ggcgatctgg caaagagctt 240

<210> 33319  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892829H1

<400> 33319

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 cccaagaaag ttacaaagga tgaactaggt aatgtagcag gaattgcagc aactgcaaca 120  
 gctagtgggg ggaaatttga caagaaattg gcagggtgaaa agcctcagaa acatgaagga 180  
 aaatatcgga agtttctgcc agtagtgga ggaaccggga taggattact ggagagggga 239



<210> 33320  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892832H1

<400> 33320

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 aagtcccaga agcagataaa accttgggct tggacatggc caagggcagc gcattctgca 120  
 agatgggtga aggttggaaca tgcatacataa ctaaaactga ggggcctgat gctggcaaag 180  
 ttttcgttaa atgtggtgaa aattgcacct gtaccattga gggcgaacag tgtcccaga 240  
 attgaatttg cca 253

<210> 33321  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892833H1

<400> 33321

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 aaccccaaac tctcattctt caacggaaag cccgtcacat attcttcccg cgtcgcgccc 120  
 accaccaaat tatectcatc caaacaaggc acaatttcca tgtccctaac cccaccccc 180  
 tacgacctcc agtccttcaa attccagccc atcaaagaat ccacgtgtgc acgggaaatg 240  
 acgcg 245

<210> 33322  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892835H1

<400> 33322

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 agtgtattac aaaatatacg cttctgcaaa gagaggaggt gcagcgagtg gagcactgtt 180

ctggcagctt ctaacggagg gcatggagtc tttccaagac ggttacggaa tcattcttg 239

<210> 33323  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892836H1

<400> 33323

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gacacgtggg cggccatgcc ggataacaaa atggtcggaa aggccatcag ggatcccgag 120

aagttgaagg tcatagcgtc gaacccgagg cgctacacgg gccacccag ggtggggacc 180

atgcggggagc tgcttagggg gacacagtat gtacaggata atttctccaa ggtaacga 238

<210> 33324  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892837H1

<400> 33324

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ttttcttcaa tggaatcctt gaaacaagtg gacagcagat cttcaaagaa aaacaaaaaa 180

ttggaattca acagtagccg tgtctcacct gtcctaaatg gtggttcaca gtggggag 238

<210> 33325  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892838H1

<400> 33325

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gtcgcgcaga gatgtgagct gatgtccatg tacgaccagt ggctagtaaa gcacggcaag 120

gtgtacaacg cgtacggaga gaaggagaag aggttccaga tcttcaagga caacctgcga 180

ttcatcgacg accacaactc ccaagaggac cgaacctaca agctcggact gaaccg 236

<210> 33326  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892839H1

<400> 33326

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 gggattatgt caagttcttg tgtggagagg gctatacaga tgaaatgctt cgagttctca 180  
 ctaaagatca tagtagatgc agcaaactg ctagaaagga agctgtatat gacctt 236

<210> 33327  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892840H1

<400> 33327

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 caaacaccaa caacagttcc agataatgaa acaaccgagg taatcaagac ccaggaaaca 180  
 accccggaac cagtaccagc cactgaggct cctgcaacag aacaagcagc agctgaggtt 240

<210> 33328  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892841H1

<400> 33328

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 cacgtaaggg agcaggctcg gtcttcaagt cccacacgca ccaccgcaag ggccccggccc 120  
 gcttccggag cctggatttc ggagagcgca acggctacct gaagggtgtc gtcactgacg 180

tcatccacga tcttggccgt ggcgcgctct cgctaagggt cgcttccgcc acccggtc 238

<210> 33329  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892845H1

<400> 33329

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tagtggtggt tatgacgatg acgggcgtgc taaaaggact ggaactttat ggagtgtgt 180

ggctcatatc atcacagcca ttatcggtgt ggttgttctg tcttttagctt ggagta 236

<210> 33330  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892807H1

<400> 33330

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gttgtcatta atcatagcat gggaagaaag tgaaaaatca aaagctgaaa acaaggctca 180

caaaaagctt tcatcagttt ctgcatggga aaacagtaag aaagctgcag tggaggcg 238

<210> 33331  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892847H1

<400> 33331

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actgaggggc ctgatgctgg caaagttttc gttaaattgt gtgaaaattg cacctgtacc 180

attgagggcg aacagtgtcc caagaattga atttgccacc tgatgttgtg agcagca 237

<210> 33332  
 <211> 94  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892748H1  
 <400> 33332

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 gcagagactt atctttgcgg gtaaacaact tgag 94

<210> 33333  
 <211> 94  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892749H1  
 <400> 33333

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 gagaaaggag aattgctgct caggctcctc ctca 94

<210> 33334  
 <211> 87  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892750H1  
 <400> 33334

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 atttttttgc tgttgcattha tatgggg 87

<210> 33335  
 <211> 94  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892751H1  
 <400> 33335

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 accatggtgg caatatctgt gctaatacta agat 94

<210> 33336  
 <211> 90  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892752H1  
 <400> 33336

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 atggcatgat tagtttggcg ctgatttgct 90

<210> 33337  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892753H1  
 <400> 33337

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 agcagtgagg attgaaggtt ttgattgcct cagcagggat aggcgcaact gcagcatttc 120  
 tgctgttgct taattcaatt ttaaacaag aaaaagaaaa gaaaagagga ttaaagaatc 180  
 accaaagtgc taagagcaga ggagattttt gactgagga gctaattcta atttcaatct 240  
 tattgtatta tacc 254

<210> 33338  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892754H1  
 <400> 33338

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 tacttctttc ttgcaagtt tacgtcttt 89

<210> 33339  
 <211> 99  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892755H1

<400> 33339

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 gtctctgtaa gcggtgattt tgggtctgga caatgtctc 99

<210> 33340  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892757H1

<400> 33340

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 gtatcgagat tctgttaggg ctataacacc tgggttacca tta 103

<210> 33341  
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 <213> Glycine max

<223> Clone ID: 700892761H1

<400> 33341

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 cactagggtg ctatcaagtt gatcagtcaa atgtggct 98

<210> 33342  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892764H1

<400> 33342

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gagaataaat ttgtgaatgt gtggttagctc ctcgctaaca catatcttat agtgggttaa 180  
 tttatatgga tgagtgttag ctctcacta acacatcttg tagtggttta ataaatctgt 240  
 ggatga 246

<210> 33343  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892766H1  
 <400> 33343

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 agtgagaaag agagagagag agagagaaac tgagagaaat tcgcaaacc taatttcgga 120  
 aagatcggcg atggctgcct ccaaggatcg cgagaacttc gtctacatcg ccaagctcgc 180  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892768H1  
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 aaccacaacc ctctcttcaa acccgaaact ctcatctttc cacggaaagc ccgttacata 120  
 ttcttccgc gtcgcacca ccaccaagtt attctcatgc caacaaggca caatctccat 180  
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 <211> 123  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892769H1





<210> 33349  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892775H1

<400> 33349

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 caaatcttcc tacatatccg aatccgcttc gatccaatcc tgcttactcg gttgtaagc 180  
 agtatttcgt gcacatggac gacacttccc tcagaagggt gttgttcaca aggatagtcc 240  
 aagagg 246

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<223> Clone ID: 700892776H1

<400> 33350

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 aaaaacaagt ataatttttg c 81

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 <211> 99  
 <212> DNA  
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<223> Clone ID: 700892778H1

<400> 33351

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 aagtcctgat gagaagctca atgcttgctt tgaaagcat 99

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 <213> Glycine max

<223> Clone ID: 700892779H1

<400> 33352

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atccttccaa tgcgagcttg tctttgccaa gatgggaatc a 101

<210> 33353

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700892780H1

<400> 33353

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tgatgggagt atttatgtta caggactttc catgtcaaag gccactgcca agaaaattgt 180

gaaagctgat gcttatgttg ctgcttggtga tgtccctgga attaagagat tacttccatc 240

agagtggagg gaa 253

<210> 33354

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700892784H1

<400> 33354

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ttcactatctt cgattgacat cgccgaagaa ggtattgacg 100

<210> 33355

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700892785H1

<400> 33355

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gaagccactg atgcacctga ggataaagcc atctcaactt 100

<210> 33356  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892788H1  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892789H1  
 <400> 33357

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 cggcggtcac cgcctccatc accaccaact atacggcggc gaaggggtgc acgtgcaggc 180  
 ggaccctcac ctacagtgt tgcattcttg taaaagacat tactttgagg atgctactaa 240  
 cggatgatg 248

<210> 33358  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892746H1  
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 cttagagagt caagttttat gtctgaatta gacgatcaaa ttcttactgc cttcgatcct 180  
 tttgctgatg caaatgctga tgactcgggt gctgggtcaa aggagtatgt gcatattcgc 240

gta

243

<210> 33359  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892790H1

<400> 33359

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 gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggaacca gcaacgtctc 180  
 attttcgccg gaaagcaact tgaggacggc cgtacccttg ctgactacaa cattcagaag 240  
 gagtgtac 248

<210> 33360  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892791H1

<400> 33360

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 attacaacag aaagaaaagg agctggaact tcttatccgt gatttggacg acaaagtctg 180  
 ttttgggcag aaagccattg aaaggccagg ttcacgga ggaagtcgt ctactttttc 240  
 tgataag 247

<210> 33361  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892792H1

<400> 33361

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gcaacgctag aggcgccgac cttagggttc attttaagaa cactagggaa actgcctttg 120  
 caatcaggaa gttgcccttg gttaaagcta aaaggactt agaagatgtt cttgcgcaca 180  
 agcaggccat tccgttcaga cgtttctgtc gtagtggtcg aaggacagct caagcacaga 240  
 ataga 245

<210> 33362  
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 <213> Glycine max

<223> Clone ID: 700892793H1

<400> 33362

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 catactctat aatagagtgt gaggcctaagc gggaagtcac tttaccatct gtaatctaca 180  
 tacaaaagat tttgcggcga aggccatttc ttatcaagaa tcttgaaaat gtcatgcgga 240  
 aattcctt 248

<210> 33363  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892794H1

<400> 33363

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 ggaggaggaa gaggaggaaa agaaaggga gagcaggagt aagagtgggtg gcagggtcaa 180  
 acctggttaag gatcagccga ctgagcgcgc tcctgaatgc aagcagcagt agtgtttggc 240  
 tgtgtaca 248

<210> 33364  
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 <212> DNA  
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<223> Clone ID: 700892796H1

<400> 33364

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<210> 33365

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700892802H1

<400> 33365

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aatttaagtg aagagagaat gatgatgaag tctgctatgt gtgcattggt gcttgtggca 120

ctggttgtgg ttgaagtggg gcccatggct gaggtgcgg tgacttgcaa cccaacacag 180

ttgactcctt gtcttcggc aattaattca ggttctgcac ctctgagtgc ttgttgccag 240

a 241

<210> 33366

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700892804H1

<400> 33366

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aatcaatagc ggttcggaa ccggacgaag acgatccttc atcgacgctt ctggatctct 120

cgagttacca gtcacacgac cttgactcgg tcgagttgcc acccagcctc accgagttgg 180

acctcaccgc gaatcgcttg tcacgctgg acccgcgcat aggacctct cccatctcaa 240

<210> 33367

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892805H1

<400> 33367

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 acttcaagct taattcctca tgtctttcag aggcctcagc cggccaaatg ccacatcagg 120  
 catgggtgtt gctgatcaca gcaaaaacac cttcatggaa ttgaagcaga agaaggttca 180  
 tcgttatgtg atctttaagg tcgatgagaa gaaaaggag gttgtggttg agaagactgg 240  
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<210> 33368

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 700892806H1

<400> 33368

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 aaaatataga tgtaat 136

<210> 33369

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700892688H1

<400> 33369

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 attgctgtta cttataacaa aaggagcat ggcaaagacg tagaactggg aaggagata 120  
 acctatgcat gagagttaat aacctgatga ctgaaaacac tgttttaccc aatttgagtt 180  
 ttgaatcaca tcacaatgat gtagaaatt 209

<210> 33370

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700892689H1



<400> 33370

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 ccatggcata agttttcgtg gtctaaggag gaaccttcgt tttgcttcca caacctcttc 180  
 ttcagattca gcttcttctt ttc 203

<210> 33371

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700892692H1

<400> 33371

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 aataacaggt gatgatgcca caaactgcta ctctgggcct ggattgtctg aaagatgcat 180  
 caagaggaaa aattactctg aaa 203

<210> 33372

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700892693H1

<400> 33372

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 catatttatc taatccaaat gaatatacta atgcaatgag gaatgctggt gatgctcaag 180  
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<210> 33373

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 700892694H1

<400> 33373

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 atgtacatgg tcgtgttgat gacgctaaag ctttattgat tggatctcac atggtacatg 120  
 cataggctaa aatcaaaaga tctctcaata tgccacaata tgatcctact gggatcttgt 180  
 ataatgaagc cgaatgctac aaactgaaa 209

<210> 33374

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 700892695H1

<400> 33374

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 acagtggacc tgatgatcat atatttgtat actatactga ccatggaggt ccaggggtgc 180  
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<210> 33375

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700892696H1

<400> 33375

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 atggctaaca tgtacatgtg gggtttcaag gagaagctgg agaacgcgct gggtttagatg 180  
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<210> 33376

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700892702H1

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<210> 33377  
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 <213> Glycine max  
 <223> Clone ID: 700892705H1

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 gactgcttca gtcattgagga aatttgaaag tacaagagct ggtgctgggt cttccaaggc 180  
 ttcaaaggat agcttgactc ctctaagaac tccaactatg gcttccaagg agatgcaaaa 240  
 gc 242

<210> 33378  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892706H1

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 tagcagctgg ttcacaattc aaagcatcat ctgcgggtgt gattgctaaa ttctgtgcac 180  
 ttggaaatat gagcgtcgat ggatgggtta taaaatagac ggttcaactt atttgaatgg 240  
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<210> 33379  
 <211> 84  
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 <213> Glycine max  
 <223> Clone ID: 700892707H1

<400> 33379

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ccttgggcgt ggctcaggga atct 84

<210> 33380

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700892709H1

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ataggacagt taaaatgata gcttgcaaaa aggggttact 100

<210> 33381

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892710H1

<400> 33381

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tggtgggtgg ctactttttc gagtttggcg gttgtgtgtg ggtgctgatt caagttcgat 120

ggtggcgtgt gggtcgcccc ttcaccgtcg gcgctgacgt ggaccactac aagaccaccc 180

tgaccaccgc cctcgccgtg ttgcctgtcg cctcctcgct aaacaacgag gaagagaagg 240

tgtggtgcat cgcgacggg 259

<210> 33382

<211> 260

<212> DNA

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cgctgagaca aggaatatgg gtgatcggca agtagttgac caacaacaca tgggtgatcc 120

acaactgcc a tcttctcctc cctcaaagga tgatatgggt tcatgtgtta tggctttaga 180  
 ggctgctttg cttccctgtt tgccagccag agaacttcaa gcaatagacc gttctcccca 240  
 cccctcacat caaattgatg 260

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<223> Clone ID: 700892713H1

<400> 33383

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<223> Clone ID: 700892715H1

<400> 33384

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 ccaagtgcaa attccctcaa ggtttctttc accctaattgt gtatccatct ggaactgttt 180  
 gcttgcttat acttaatgaa gatagtgggt ggagaccgct ataacagtga agcaaattct 240  
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<210> 33385  
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<223> Clone ID: 700892716H1

<400> 33385

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<210> 33386  
 <211> 100  
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<223> Clone ID: 700892717H1

<400> 33386

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tgaccaagtc tacgacgctg cagaagcgta cctctccacc 100

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892718H1

<400> 33387

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gatgctccta gacagatcct aagaaatgag gaaggcaa 98

<210> 33388  
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<223> Clone ID: 700892719H1

<400> 33388

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ctcgaccaaa tccaaaacgg cgtttcttcc gacaatccc 99

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 <213> Glycine max

<223> Clone ID: 700892720H1

<400> 33389

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 ctggagcaac tgccgcagtc tgtataggat tcatttttcc agctgccatc actcttaggg 180  
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 cagtcttctc aaacgttggtg g 261

<210> 33390  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892721H1  
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 ccccgaaagtc gggaggggtca gcatgaggaa gaccgtcacc aagcaggcct cctccggaag 180  
 cccatggtac ggcccagacc gcgtcaagta cttgggcca ttctctggcg agccccctc 240  
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<210> 33391  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892722H1  
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 aatgccagct cctgaggttg ctgtgaatta ttatacagg 99

<210> 33392  
 <211> 96  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892723H1  
 <400> 33392

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caaatgcttc accgatccga taaccggcat tgcccc 96

<210> 33393  
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<223> Clone ID: 700892724H1

<400> 33393

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tggtctgatc ctatctccca agcaaggtct cagagatag 99

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<223> Clone ID: 700892725H1

<400> 33394

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tggtggcatg cagatcttcg ttaagaccct caccgg 96

<210> 33395  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892726H1

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agctggagtg ggtaaaacgg tactgattat ggaa 94

<210> 33396  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892687H1

<400> 33396



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 attcccttct ttgcccttgc ctctgcctgc gggacatgcc ctagccctaa gccaaggcat 180  
 aataggctca agcctgttaa gccaag 206

<210> 33397  
 <211> 252  
 <212> DNA  
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 <223> Clone ID: 700892727H1  
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 ggggtggcttg tgctagcaga agagttgcc aatgaagaagc tctatggagt tattcggggt 180  
 gctgcaccgt tggctgggtg caatcccagg attgatgata aacacccaag atggttacat 240  
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 acccttgaag ttttccatgt gttcagccca tgttccccat ttaggccatc aaagccactc 180  
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<223> Clone ID: 700892733H1

<400> 33399

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<211> 97

<212> DNA

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<212> DNA

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<223> Clone ID: 700892736H1

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<212> DNA  
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<223> Clone ID: 700892740H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892744H1

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atggtaggtc tcgatgctgc tggttaagaca accatcttgt acaagctcaa gcttggagaa 180

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actcattgat ctggccatca aaaggaatag tttgattgga ggagatgact ttaagagtgg 180  
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tacatctcta tgggattatc actttcctta ctctcatcag cctgggaaga aatcgttaga 180  
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cttctgaaa ctatttatgt ccgtgttttt gaagaaagaa tggatctcat gcgagcagcc 180  
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<223> Clone ID: 700892654H1

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gggaagctgt ttggccaaac actcccatc ccaactgcact gcgagagctt ctaaagcctc 180  
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<223> Clone ID: 700892655H1

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<223> Clone ID: 700892656H1

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attctcaagc accaccctta cccaacaaaa gggttccgag tcatgcttcg ccacgttgat 180  
tcgggtaaaa atttaaccaa actagagcgt g 211

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<223> Clone ID: 700892659H1

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aagcactgtt tcggtgcggg ccgcgagagc ggtaccaa atcgaggcaa tctgaatact 180  
agatatgacc tcaaaataac aagggtca 208

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<223> Clone ID: 700892660H1

<400> 33414

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gcaaggatca gacagacctt tgtggtttgc atcaaagcaa agtctttctt acttggtg 180  
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<223> Clone ID: 700892661H1

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aaagagcttt cagttatggt cagactagaa tatatgacat tttgcaattt gttgctgcac 180  
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<223> Clone ID: 700892662H1

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ctccttccgt tacaaggaaa ttgagaatgg aatgctgtgg gaagttgagg ggaagtgggt 180  
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<223> Clone ID: 700892663H1

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<223> Clone ID: 700892664H1

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agtgaccggt gctgggtggct tcaactcact tagatgggtca aactcctcct ggagaaaggc 180  
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<223> Clone ID: 700892665H1

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 aggttcctct tcgggtccag cgcctttcaa acccccgta gctggcaaca caagtgatgt 180  
 agttgaggct tcagggactg caaaacctgg ggaaattgtt tctagttctg atagg 235

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<223> Clone ID: 700892666H1

<400> 33420

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 ttgaggtagt ggtagagaaa gttccaacaa gggttgttg tgatgttgat gaggatggta 180  
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<223> Clone ID: 700892667H1

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ccataaatag cattgggtact gagcttacca gagatgaccg tagaaaattg tactctaatt 180  
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<223> Clone ID: 700892668H1

<400> 33422

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<223> Clone ID: 700892670H1

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<223> Clone ID: 700892672H1

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aacgagtgcg ctgagttacc ctgggtgtgcc ttctgcaggg gctgcgggtgc aggggtgggta 180  
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<223> Clone ID: 700892673H1

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<223> Clone ID: 700892675H1

<400> 33427

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<223> Clone ID: 700892646H1

<400> 33431

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<223> Clone ID: 700892680H1

<400> 33432

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<223> Clone ID: 700892683H1

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attccatggg acgacgtcgt tgtgatccag caagggaagg atcacaatga gccctgcac 180  
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<223> Clone ID: 700892686H1

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<223> Clone ID: 700892604H1

<400> 33436

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<223> Clone ID: 700892605H1

<400> 33437

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<223> Clone ID: 700892606H1

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<223> Clone ID: 700892607H1

<400> 33439

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gaagtgttac atgcttgctg ctagagctct cagcattatt tggggtgaca ctgcgcaata 180  
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<223> Clone ID: 700892608H1

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<223> Clone ID: 700892609H1

<400> 33441

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ggaaacgcag cgtttgtctc gtgagccagc acctggaatt agtgcgctcc cttcggaaga 180  
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<223> Clone ID: 700892611H1

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gcttatggag aaggcaacga acgtcgtttg acaggacgcc acgaaaccgc tgacatcaac 180  
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<223> Clone ID: 700892612H1

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<223> Clone ID: 700892613H1

<400> 33444

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<223> Clone ID: 700892615H1

<400> 33445

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tgtgtttgtt ttttctctca cctgaaaatg tcttgctgcg gtggttaactg tgggtgcgga 120



agctcctgca agtgcgga cggctgcgga ggctgcaaga tgtaccaga cttgagctac 180  
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<210> 33446  
<211> 223  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892617H1  
  
<400> 33446

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agtggggttt gcgctacgcc cttgtgagca tcttagcgtg gcgaatgacg ctggttcgat 120  
ggtgattgaa gaaggatctt atttgttgct tgttggggac caagagtacc caattgaaat 180  
cactgtttga tcatgcaaca attggagtgt tcaatcaatc aag 223

<210> 33447  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892619H1  
  
<400> 33447

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tttttccac ttgctttcca taaatgtgaa attgggaact tgctgatcat tttataagct 120  
ataattcctg tagagttttt ttttttctg tgaaagcatt aacgataatg ctcggagatc 180  
acagttataa ccttgatttt gtcactgaaa agttttggct ttg 223

<210> 33448  
<211> 223  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892620H1  
  
<400> 33448

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gggagtccca aggcctatat agatcgcttg tagcaagttg gatcagaagc ctttcatgag 120



gcgattcgcg tgcaactctc gccaccataa aatattgcat gcttccggtt ctcacccttc 180  
atcactctcc atttctcagc actcatctac cgag 214

<210> 33452  
<211> 216  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892624H1

<400> 33452

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ccacagtttt ttcaccagaa acctcaagaa agtgtaccct atagggcttc agaaaagcac 180  
ttcatctttg tctctgtctt caatttcatt gtcttt 216

<210> 33453  
<211> 211  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892626H1

<400> 33453

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atatcaccta aattgacaaa tacaatgata tttattttta tagttacatt tttttgaagg 120  
gcagaaattg tagtgaaagc gataattcta gtactagtat aataactagt acgaatgata 180  
caaatgatag tgattccact ataggagaaa g 211

<210> 33454  
<211> 211  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892628H1

<400> 33454

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tgcatctcaa tccacattgg tcaggccggt atccaggtcg gaaacgcctg ctgggaactc 120

tattgccttg aacacggcat acagcccgat gggcagatgc cgagtgacaa gaccgttgga 180  
 ggaggagacg acgccttcaa cacattcttc a 211

<210> 33455  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892629H1

<400> 33455

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 aatggcagtc attgctctga agtgcccctc cattgaagtg gctgttggtg acatctccaa 180  
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<210> 33456  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892630H1

<400> 33456

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 ccaataaccc ccataatcct actcctatgc ctggaaggaa tcaactcaatt ggaaaataga 180  
 acaacagtgg cactcagaag atcaaaggtc tgagtaacc 219

<210> 33457  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892635H1

<400> 33457

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cagggtgaact tggaccctac atcggttgagt acggtgcaga ttacagaatg ataagcatct 180  
tcaactctcc attccaagtt ggtttctaca acaccacccc aaa 223

<210> 33458  
<211> 216  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892637H1

<400> 33458

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cccttgcaac caaacttgga gctcgcctca cagagggttag gaagaatggc acctgtgctt 120  
ggttgaggcc agatggtaag acacaagtaa ccgtcgagta ctacaatgac aatggtgcca 180  
tggttccagt tcgtgtccac actgtcctaa tttcca 216

<210> 33459  
<211> 209  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892641H1

<400> 33459

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actttaggta ccttcccttt ggtgttgga gaagaagctg ccctggaatc attcttgcac 180  
tgccaattct tggcatcact ttgggacgt 209

<210> 33460  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892642H1

<400> 33460

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tcggaaccac ctactcttgt gtcggtgttt ggcaacatga ccgagttgaa atcatcgcca 180  
atgaccaagg gaacagaacg acgccttc 208

<210> 33461  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892603H1

<400> 33461

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cttcgcactc actctctcaa ctacccatct tccaatacc tcccacttcc ttccgcgcca 180  
tcaaattctc aattttttgg cctcaaggta tctcattctt ctttttccac 230

<210> 33462  
<211> 211  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892643H1

<400> 33462

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agagaaagat gagttcagct ttggtaatag agaaatggac agggagatga atcagcttga 120  
aggtgagaag gttggagatg ggaaaccaa aaccatgcct ccagcaagtg tgatgacaag 180  
gcttatattg attatggtgt ggagaaaact c 211

<210> 33463  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892644H1

<400> 33463

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cgtgagatat atgatcagta tggatgaagat gcgcttaagg aaggaatggg tgggtggcggt 120

ggccatgatc catttgatat cttttcatct ttctttggcg gtgggagtc ctttggatca 180  
 ggtggaagta gtcgaggtag gaggcagagg cg 212

<210> 33464  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892645H1  
 <400> 33464

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 gacgacgacg cagtacgtga agatggagga gcacaatttt ctcagcgccg acgaggcctg 120  
 caatttcttc tcggacgaac aagcaccaac tctgcagtgg tactgttcag aggaatggag 180  
 ttaagaggga agaagaagaa gcttaattaa ttga 214

<210> 33465  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892564H1  
 <400> 33465

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 ccggtatact cctacaccgt gactgaacag ggtaatgaag gggcttcctg tgtttgctgt 120  
 tggtgataac aatgtagttt tgtagacgca gcggatcgtg aagggttaata cttttttggt 180  
 tagtgatatg cgatataacc attagaccaa ttgtttcaaa tgcttgctg catgacttca 240  
 tactaagaca accaagaatt agagccatga 270

<210> 33466  
 <211> 93  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892565H1  
 <400> 33466

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ctttctttgc ttagaattcc acagaatatg ggg

93

<210> 33467  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892566H1

<400> 33467

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agacgacaaa aaaaggggta ggaggaaggc caagggtttg ggtggtataa cagtgatgta 120  
gtagtcttg acctttcttc ttctacatt tttatttgat ggtttttgaa tcccacctta 180  
aaatgtcaat tactggcaag tctgtctact aggctgtagt ggaactggga cttcttagtg 240  
tgtcttctaa a 251

<210> 33468  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892567H1

<400> 33468

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gatgtcaatg aacaagatgt acttctatct atcgacaata tctttcgctt cgtccaagca 120  
ggatctgaag tatctgcctt attgggtcga atgccttctg ctgtgggtta tcaaccact 180  
cttagtactg aaatggggtg cttacgagag agaactcact ctaccaaga ggggtccata 240  
acttcta 247

<210> 33469  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892568H1

<400> 33469

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 cgggtggaacc cgctcccgaa cctgccaccg ctgagcctcc cccggaggag aaggaggatc 180  
 ccaaacctga agccaaggct aagaaaacca aggaacccaa acctaaaaag gtttccagac 240  
 cacgca 246

<210> 33470  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892569H1

<400> 33470

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 ggtggtcttg atgatgctgt gtttgtgggt ttgtggtgtc acagcctctg tgacttatga 180  
 ccacaaagcc attgtggttg atggcaagag aagaattttg atctctggct ccattcatta 240  
 tccta 245

<210> 33471  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892570H1

<400> 33471

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 ccgggctcga aggaccacct tcacgtgct cggttactcc atgtcacgg agccgtcggg 180  
 ccggagagtc ttgtcttcga cgctgacggc ggagggccct acaccggcgt cgccgatggc 240  
 cgcat 245

<210> 33472  
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 <212> DNA  
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<223> Clone ID: 700892571H1

<400> 33472

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tcagttattc ctgtccctat gcacaacgag tatggataac taggaactac aaggggcttc 180  
aagacaagat caaattggtc cctattgatc ttcaagacag gccagcttgg tataaggaga 240  
aagtc 245

<210> 33473

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700892573H1

<400> 33473

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gtgggaatga agagaaaggc atgcgccgaa ttgggaatca aatccttcga tgtggacctt 120  
cccgaacaag tccaagctg aactaataaa acaagttcac gagttgaatg ttaaccctga 180  
tgtacatggt atattggctc agcttccgtt gcctaagcac ataatgaag agaaagttct 240  
gactgaaa 248

<210> 33474

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892575H1

<400> 33474

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acaagcactt tatggctaca gtccaccatc tatgccccaa ttacaaaat catcatcctg 120  
ctgttgctgc ccctcaaaga agcaaacc aaagacgtctca gagctttata gagatgcaaa 180  
gaggaagaa cttgatgccg ccatttttaa tctcaggag attgacaact atgatgaata 240  
cgagaggtca at 252

<210> 33475  
 <211> 255  
 <212> DNA  
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<223> Clone ID: 700892576H1

<400> 33475

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 ctcaatctcg ctctccaatt cctaagtggg tccaaccca attcggattt cgtttctggg 120  
 tttccccaat tcgaagctct gcactttccc ctttgaagtg gaattttttt tcgttctgt 180  
 gaagttccat tccatattct gggaatgggt ctataaaaca agcttccaaa ttggagagaa 240  
 agtcccaaac ttttc 255

<210> 33476  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892577H1

<400> 33476

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 ggatctgtga gtgagaagat ggttactaag acagaggaga ctcaattgaa caggctcgaa 180  
 aaccaggctg ataacggcgg cggcggcgcg tgggagtacc tctgcctcgt gcggaagctc 240  
 aaagttcggc ggtcgg 256

<210> 33477  
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 <213> Glycine max

<223> Clone ID: 700892578H1

<400> 33477

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ttactggaag tcggtgcttc ctactacgcc aatgccaaaa gccatcactg atataccttta 180  
 ctctgattgg gtggaagaga aaagcagctc agtgcattgtt ggaggtggag gcgtgaacgt 240  
 gcatacagg 249

<210> 33478  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892579H1

<400> 33478

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 ggtgcacttg atgatgctgc agtgaccgag gctctagagt tacacaagat caaaaatcgc 180  
 caatgggcta tttttaaacc ttctgccata aaaggagaag gactttttga gggccttgac 240  
 tggttgagca atacactcaa a 261

<210> 33479  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892580H1

<400> 33479

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 cgagattcta gcacgattca tcccagatat agagattcaa ccacgattct ggaacaaaaa 180  
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 atcgtgaatc gtacgatact aacta 265

<210> 33480  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892583H1

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caaaggagct gcttattcag gctgagaagg agaagctaaa agcaattgat gacttgaaag 180  
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aactcgctga ggaga 255

<210> 33481  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892587H1

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tttaagtctt attcttttct ttttcctaca aatgatgtag cattgtactc gtaataccat 180  
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<210> 33482  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892588H1

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gcgagtcttc acagggcaat tgtcactgct tatggacccg aacctgggtg atctatccat 180  
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cag 243

<210> 33483  
<211> 248



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251

<210> 33486

<211> 74

<212> DNA

<213> Glycine max

<223> Clone ID: 700892593H1

<400> 33486

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<210> 33487

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892595H1

<400> 33487

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ccatctctac gccgagttcc gggcagaaga atggatcagg aggttgtttt cttagtggaa 120

ggaaattgag ggtgaaaaag gagagagcag caattggagg acgatcgatg ggactacag 180

tgtgcgagtg tgctgagcct gacagacctc tatggttccc aggcagcacc ctcctccat 240

ggcttgatgg cactctacct gg 262

<210> 33488

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700892596H1

<400> 33488

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aaaaccaaac aactgaagct ggaaggcacc aagaggttgg tcacaagagc cttctccaga 120

gtgatgctct ttaccagtat attctggaga caagtgtcta cccaagagaa cctgaatcca 180

tgaagaact gagagagttg acagcaaaac acccatggaa catcatgaca acctctgcag 240

acgaagggca gttcttgaac atgctcc

267

<210> 33489  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892601H1

<400> 33489

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ggccatggat tgatggtgag aagagcggtt aaggaatcgg tatgcgctg acagactttg 180  
tatttctgc ttagagagag atcggctaag aagccaggca aaggaagaaa attaacttg 239

<210> 33490  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892562H1

<400> 33490

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ttaatgactt ttcattggaac cttttcagtt cagggaaggc cactgaaaat ggagatcaag 180  
gagcaagtca caaccacga aaacattatc gatgaaatag ctaaagcggc agaataact 240  
gccacgtggc accgtcaca 259

<210> 33491  
<211> 217  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892602H1

<400> 33491

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gccgagtgca ttgcacttga cgggtgaacca tagtatgaca ttccattccg tcacctcaag 120



ctaaccaccc caagctttgg tgacttgaac catctgatct cagctacaat gtctggtgtc 180  
acttggtggt tgaggttccc tgggtcaactt aactctg 217

<210> 33492  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892533H1

<400> 33492

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ttcttgcaat tccccacaac aatctccaag gaagaagaat aatgagaaca agttggcaaa 180  
gttagcaatg gttgcagttg ctggtggggg gctaacactt gggtcagttc atgatgcac 240  
agctgccaag actggtggta 260

<210> 33493  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892534H1

<400> 33493

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tttgccaaa cactcccatt cccactgcac tgcgagatct tctaaagcct ctccctgcag 180  
gtgttgaaat cgatcgaatc cctagccaat tgatgataca cagtaccaa aacattctt 240  
ctataa 246

<210> 33494  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892535H1

<400> 33494

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tccgcgaagg tccaccctct ggtcatcttc aacatctgcg attgctacgt tcgacgcctt 180  
gaccaagccg atcgcgatcat cggaacccta ctgggctccg tcttccccga tggaaccgtc 240  
gatatccgca at 252

<210> 33495  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892536H1

<400> 33495

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cctgcctggg aatccaagga tagccttggg cagtttttgt ggcttacaag aagcatggcc 180  
aatggttctc tggctaactt ctcccaattc aagctccccg ctacacagcg caccatgtc 240  
gatgctcc 248

<210> 33496  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892537H1

<400> 33496

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gtggtgtggt ctactatgtg gatttatccg tcagttgcct tgtcaaggag actcatgaga 180  
tgagactatt ttccctttgt agtggtgggg ttggtcttag tatttgtatg gcgcatttat 240  
gggtat 246

<210> 33497  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892539H1

<400> 33497

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aattgactgt caaatatcac cgtcggaatg ttgaggtcta cttatttaca gaggatgaga 180  
ggatacatgc aaacaactgt cctgtagaaa ttttgtaat attgatatta gatgcttgtg 240  
tcaaatgacc 250

<210> 33498  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892540H1

<400> 33498

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gcagcacata attcctcagg ttttgagat gaacaacaac ccacactatt tgtatcggat 180  
gactattctt cgtgctatct ctctgcttgc tctgtgatg ggccctgaaa tcacttgttc 240  
aa 242

<210> 33499  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892541H1

<400> 33499

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tgccactgca ctatccaagg tacaccaag ctgactatga ggcaatgcca gagtggaggc 180  
ttgactgttt gctcaaagag tatggcttac caatctttgg ggatgttgaa aacaagagaa 240



cgattgagct caacaacaac aacaaaaaac accataaaac tcaccgtagc gcaccacagc 120  
 caaacgcgat ctcaacgatg accagcttct gaaattccaa cttcgccctt catcttcgta 180  
 tactttttta tttccggtga ggtgagttcc atgcctagtc ccaagagcag ccgcagcggc 240  
 cagatcgaga gtcaccgga 259

<210> 33503  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892546H1

<400> 33503

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 cgtgccacga catgagctcc ctggaagagc tcggaaccg cggcgcggtg cgttccatca 180  
 ttgacaaggt ctacgcgcc cgcgccctct ctctctcca caagccccac gaccacctca 240  
 cctgccttgg cttcaacgc cc 262

<210> 33504  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892547H1

<400> 33504

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 ttctaggcca gagaccatga gtgtcttcca acccattgag tcaaagacta atcccgtca 180  
 cgatacatga ctgtcgctga cttatgggaa ttttgcatac ggatattgat tttgagttca 240  
 agatattatc acttattgca ggaca 265

<210> 33505  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892548H1

<400> 33505

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 tcgtcctaatt cctcaagggc cctttcatta tggctccatc aatataactg atacttatgt 180  
 gtttaagggtt acatccctgg tgccaatcaa tggtaaaaat cgagctacta ttaatgggat 240  
 ctcattttctc aagcctgagg ttccattccg gcttg 275

<210> 33506

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700892549H1

<400> 33506

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 gatgacaagg acttgctatc aatgcaattg ttgtactcct tagaatgtct ttatagcaaa 180  
 taagagattc aatgatataa cacacgggta gagtgcctgg tacggtagg ctggaattgc 240  
 acaagcccgt gaa 253

<210> 33507

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700892550H1

<400> 33507

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 gaaatttaag tgaagagaga atgatgatga agtctgctat gtgtgcattg gtgcttgtgg 120  
 cactgggttgt ggttgaagtg gggcccatgg ctgaggctgc ggtgacttgc aaccaaacac 180  
 agttgactcc ttgtcttccg gcaattaatt caggttctgc accttcgagt gcttgttgcc 240  
 agaagctgaa g 251

<210> 33508  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892551H1

<400> 33508

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 ccttcagagc gatgcactct atcagtatat acttgaaacc agtgtgtacc caagagagca 180  
 tgagagcttg aaggcgctac gagagttgcc ggaagaacac ccttggaacc tgatggctac 240  
 accaactga 249

<210> 33509  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892552H1

<400> 33509

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 tccgaggaag agtatgttaa gtcaattaag gaggcaattc gcaaagttgt tgaacttcaa 180  
 gaagagcttg atattgatgt tcttgttcat ggagaaccag agagaaatga tatggttgag 240  
 tac 243

<210> 33510  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892553H1

<400> 33510

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agctgcgatg acagaaatth tgataaccaa aggtggagca gatttcagaa agataattht 180  
 ggthttctggc cacaaaatca atgggtggct ttctccacag aatcatcctc tcatagcaga 240  
 gtggatg 247

<210> 33511  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892555H1

<400> 33511

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 agtggcctgg tacaattgat caatcatgga gtgatgcagt tctcaacct attccagcag 180  
 tacctggtgt caactggggg gcacctgcag aagcacctgc tgctgcagga ggagattggg 240  
 gggaag 246

<210> 33512  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892557H1

<400> 33512

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 ccgtggaagt cctggaatca ttcattgatg gtataaatag gaaaagcaag atagtgaagta 180  
 tgagtatttg aaaaatcact gaggccctgt tctttcattt gattthtaact tgagaataat 240  
 gatattatca tgg 253

<210> 33513  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892558H1



<400> 33513

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 gagaagtacc tggatgagaa gaccatcttc caccttaacc cttctggccg ttttgtcatt 120  
 ggtggccctc atggtgatgc tgggtctcact ggaagaaaga tcatcattga tacctatggt 180  
 ggggtggggtg ctcatgggtg aggtgccttt tcaggggaagg accctaccaa ggttgacaga 240  
 agtgggtgcct ata 253

<210> 33514

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892559H1

<400> 33514

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 atgagaaacc cacattcttg gccaccccga aagcctcctc ctttgtccct catggtgtcc 120  
 ccaaccattt tgaggaaaac ctcgaaaacc atgtgacttc tgagaaatca gagaaaaacc 180  
 atgttcaaca acctacgtct ccgcaacaac agagccagcc acgacaataa gatgtcattt 240  
 ggtttgtaat tctatg 256

<210> 33515

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892561H1

<400> 33515

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 gcatcatata atttcagctt tgcttgagtt ttctgcagca gatgatctgg ttagtttcaa 180  
 agatgcgggtt gaaaaggagg gtcattgatat tgatggggta gggtttttgt atggaagggtg 240  
 tgttgcctcg aagaaaata 259

<210> 33516  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892532H1

<400> 33516

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 aagatgggag acgtagcaga taaattggcg tatttccaag cgataaccgg tttagaagat 120  
 ccggagctct gcacagaaat cctggctgcc cacaattggg acctggaact cgctatctct 180  
 actttcacct cttcctcaaa ccctaacaac cctccaccgc ctcccgtct g 231

<210> 33517  
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 <213> Glycine max

<223> Clone ID: 700892494H1

<400> 33517

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 gcttccttgg agccgcagct gccctcgtct tctcctgtat gggagctgcc tatggcacag 180  
 cgaagagtgg cgtgggcgtg gcctcgatgg gtgtgatgag accggagctt gtg 233

<210> 33518  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892495H1

<400> 33518

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 ccgtcgcttt gtaagtgcc gcaaagatgg ggatgctcgt atatgggatg tttctttaa 120  
 gaaatgtgtt atgtgtctca gtggccacac acttgcaata acatgtgtaa aatgggggtg 180  
 agacggcgtg atttatactg gctcgcagga ttgtacaatt aaagtctggg aaaccac 237

<210> 33519  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892502H1

<400> 33519

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 gggtgtttgc gaagaaggaa atgaggattc tgatggtagg tctcgatgct gctggtaaga 180  
 caaccatctt gtacaagctc aagcttggag aaatcgtcac caccatcccc accatcggat 240  
 ttaatgttga gactgtggag ta 262

<210> 33520  
 <211> 89  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892503H1

<400> 33520

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<210> 33521  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892506H1

<400> 33521

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 tgaatcccga gtatgactat ctgttcaagc tccttctgat tggagactct ggtgttggtg 180  
 aatcatgcct tcttctaaga tttgctgatg attcatacat tgagagctac ataagcacca 240  
 tcggagttga tttttaaatt cgcactgttg ag 272

<210> 33522  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892509H1

<400> 33522

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 accccaactg gcaacgcaac cggaagcgtc tggcggattg tggcattggg tttggccgga 180  
 atgctatcgg tggtcgtgat ggaaaatttt atgtggtgac tgaccccagg gatgatgacc 240  
 ctgtgaaccc gaaacctgg 259

\* <210> 33523  
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<223> Clone ID: 700892510H1

<400> 33523

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 gaaatatcag ccccttcaaag ccagcaata ataataattt gttccaaagt tctaaattgc 180  
 tttcttttct aagtaacttt ttctagtaag tttcagcatg ttcattggata atttattgtt 240  
 atcaagtgct tatgaaaga 259

<210> 33524  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892511H1

<400> 33524

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 gtcccaatga tcgagaagct tctgcgggcg ggcatgaacg tggctcgctt caacttctcc 180

catgggtccc acgagtacca ccaggaaacc ctcgacaacc tccgcgccgc catggagAAC 240  
accggtattc tctgcgccgt ca 262

<210> 33525  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892512H1

<400> 33525

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gaaaatcggt ttgctcgaga agttaatatg atgtctcgcg tccaccatga caatcttggt 180  
aagtttattg gagcatgtaa ggatcctctt atggtaatatg ttacagagct attaccaggg 240  
atgtcactgc gtaaataattt aacgagt 267

<210> 33526  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892513H1

<400> 33526

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gatctgcaaa ccccttttct ggatctgggt catttacatc taggtctttg aaaggtaact 120  
tgaggagatac atctggtgca gtggatgctt caacaattga aaactcagac actagaaatc 180  
ctgactatta tggggatgag catcttacta ctactacctc agatggaaat ttagttcaag 240  
gaactggtgt gagtgcctggg accta 265

<210> 33527  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892514H1

<400> 33527

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 aaacgcaggc tcgtcgtttc gtgccgccct tccaccttgc atttcctcgg aacttcagcg 180  
 gctttgacct tcctagccgt ttctgtattc acggttttgg ctcaattgat ttctaagttt 240  
 tcgtcttggc gtcgcaacgc ttctag 266

<210> 33528  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892515H1

<400> 33528

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 gacgacaact tcaagggcac ccggtggggc gtctcctcgc ccggttccaa tggttactgg 180  
 aattacagac atcaagctga tgactgtcca ggctatcaaa t 221

<210> 33529  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892516H1

<400> 33529

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 ggatttgccg ctctcacctc tcgcggtctt cagcaatacc gcgcattgac agtgccagag 120  
 ctgacacagc aaatgtggga tgccaagaac atgatgtgtg ctgcagatcc aaggcacggg 180  
 cgttacctca cggcatcagc catgttccgt ggcaagatga gcaccaagga ggtggacgag 240  
 cagatgataa acgtgcagaa caagaactct tcata 275

<210> 33530  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892517H1

<400> 33530

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atgacaagga cttgtcatca atgcaattgt tgtactcctt agaatgtctt tatagcaaat 180  
aagagattca atgatataac acacgggtag agtgcctggg acgggtaggc tggaagtgca 240  
c 241

<210> 33531

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700892519H1

<400> 33531

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attcttccca tattcacaag gtgcccattt gttgggtcaac ttgggctggg atgttttcag 180  
aattgacaca ttgatacgca actttggctt tccgattggg cctttccagc ttcaagactt 240  
ggctggctat ggag 254

<210> 33532

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892521H1

<400> 33532

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acacaacata cgactctatc agatgcacat gctgacaaca ccaacttctg tgtaaagtgt 120  
agcaacaatg gctacattag tgctaattgac cccttgaact ggggtgcgac ggcggaggct 180  
atggctggga gccacctcga ctaggtcaag cgcatgctag aggagtaccg gagggccgctc 240  
gtcaagctcg gt 252

<210> 33533  
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 <212> DNA  
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<223> Clone ID: 700892522H1

<400> 33533

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 agtcagaata agtggcatgg ttgaaaggct acaattatct cagcaaataa gggagaatgt 180  
 atactctctt ttccagcgga tccttaatca gtggacatct ctctttttca accgtcatat 240  
 t 241

<210> 33534  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892524H1

<400> 33534

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 ctcaggggtg gcatgcaa atctttgtcaag actttgactg gcaagaccat caccctcgag 180  
 gtcgaatcct cggacaccat tgataatgtc aaggccaaga tccaggacaa ggagggtatc 240  
 cctccagatc agca 254

<210> 33535  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892525H1

<400> 33535

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 gaatccgtgg gagatttgca aggactgaag agtctgatgt caagagggaa tgaatgactt 120



ataactgatt tagtaggaag aaagtagagt tgagtagcta tatctgatca agctatatgg 180  
 aaaaactcag cagtaatatg tgattagaac ttatgtgggg attctctgta tgcttgagca 240  
 gatatttgct gaataaa 257

<210> 33536  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892526H1

<400> 33536

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 gcacttctga gataacctgaa atagtgcagc attatcgcca agcagcaatt aatgcaattc 180  
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 aagacattaa gccaaactacc ttattttccaa ccacttacat actctctttc gacaattccg 180  
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<223> Clone ID: 700892528H1

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gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagggcc 180  
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<223> Clone ID: 700892529H1

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agttgcatag aatgttgaat gaggatgagt tgagagatgc tgtgcttcta gtttttgcca 180  
acaagcaaga tcttccaaat gctatgaatg ctgctgagat aactgataag cttggtcttc 240  
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<223> Clone ID: 700892530H1

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aaaa 124

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<223> Clone ID: 700892531H1

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aagcctttga agaaacccaa gtctgataag aaggattacg acgaggttga catggctaac 180
attcagaaga aaaaggaaga ggagaaggcg ctaaaggagt tgaaagccaa ggcgcaacag 240
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<210> 33542

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700892493H1

<400> 33542

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tctcctgcga cggcgaggct gagatctcgc tccgctacct ccgcaacgcy accccctcct 180
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<210> 33543

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892448H1

<400> 33543

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ctgacgtggc agaagagaca gaaaaagaag ctgcagaagt tacggtaacc gaaactgagg 180
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<223> Clone ID: 700892449H1

<400> 33544

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<223> Clone ID: 700892452H1

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 catgatatgg agttaaaaat gggagtgcga acaagcatca gccttaacgc aatatgttaa 180  
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<210> 33546  
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<223> Clone ID: 700892454H1

<400> 33546

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 aaaaatgggt ttgctgcatg caaaaccctt ctgccgaatc atagcatagc aatggttgct 180  
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242

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<223> Clone ID: 700892457H1

<400> 33547

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<210> 33548  
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<223> Clone ID: 700892458H1

<400> 33548

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 ttttcttcat ctttttgcca gaagacacac acacagagag agatggctac gacgaggatt 180  
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242

<210> 33549  
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<223> Clone ID: 700892459H1

<400> 33549

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ccaagctatg tggaatcaac tgttgaaaga ctggttttcc aatagtatcc atttgtgagc 180

atctttttaa gatgcaagta aatgtaaatt cttgattgtg ctgtatgatg cgtgagct 238

<210> 33550

<211> 115

<212> DNA

<213> Glycine max

<223> Clone ID: 700892460H1

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<210> 33551

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700892461H1

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atgacgggtg ttgtcatcca cattgtctct ggctgtttcc catatgcgag tttcagtcta 180

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<210> 33552

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700892463H1

<400> 33552

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gggtctccag atattatggt ggtggttctt ccccatctat tattttgtggt ttgcctgca 180

attttgggtca ctggtgctct gacggctgaa agagcaattt accgggaaca catgttagca 240

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241

<210> 33553  
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<223> Clone ID: 700892466H1

<400> 33553

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<210> 33554  
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<223> Clone ID: 700892468H1

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catecgagac tgggtcttgag cctaaagagc aaagggttact atttagaggg aaagagcaag 180

aggatgagga atgcttgcac atgggtgggag tgaaagacat gtctaagggt atattg 236

<210> 33555  
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<223> Clone ID: 700892469H1

<400> 33555

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gcta 124

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<223> Clone ID: 700892471H1

<400> 33556

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 caactttgga ggcatagaag acggaatgcc aaatggcaat ggtgctttat tctctgttat 180  
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<210> 33557

<211> 239

<212> DNA

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<223> Clone ID: 700892473H1

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 cgtccatggc gctctctgct tctacctccc cggcgtcgtt ccacaggact tccagaaggg 180  
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<210> 33558

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700892474H1

<400> 33558

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 cgtactggtt acttcttttg gtgagcttga gggtaatgca tttcttgaac ctaggactgc 180  
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<210> 33559

<211> 238

<212> DNA

<213> Glycine max



<223> Clone ID: 700892475H1

<400> 33559

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agttgccgat caagtctgca caaattaccg catcaactga tttcactgag ctacaagaga 180  
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<223> Clone ID: 700892480H1

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tcaagggttg agatatagag tacgcattgg catacgttga tggcgctga agcggaacat 180  
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<223> Clone ID: 700892481H1

<400> 33561

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<212> DNA

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<223> Clone ID: 700892482H1

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tgctgctccc gaaatggtgt cgggtgccga gcagcagcag cagcaggctt cgttggttcgc 180  
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<210> 33563

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<223> Clone ID: 700892483H1

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<223> Clone ID: 700892486H1

<400> 33564

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caatgatcag acagcaaagc tttttgtgag accaagaggt tggcatctac ctgaagcaca 180  
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<212> DNA

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<223> Clone ID: 700892487H1

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<223> Clone ID: 700892488H1

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<211> 233

<212> DNA

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<223> Clone ID: 700892489H1

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<223> Clone ID: 700892490H1

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<211> 120

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<223> Clone ID: 700892491H1

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<212> DNA

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<223> Clone ID: 700892492H1

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gccctctaca actcatcaca aactccttca tcaacttctt tagattctcc aaattcaaac 180  
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<211> 239

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<223> Clone ID: 700892443H1

<400> 33571

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 gtcataaaat cttctgcggc attgtcttat gttgaagcac aggcaaggat ggacgatagt 180  
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<223> Clone ID: 700892401H1

<400> 33572

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 taaaaccccc aaatcaacgt catcgcaggc tcacgtggag ctcatcaacc acggcttacc 180  
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<223> Clone ID: 700892402H1

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 gggtgtatta ctactaagga acttgggact gtgatgcggt cactagggca aaaccaact 180  
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<223> Clone ID: 700892404H1

<400> 33574

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 catgtacaga agaaatggat aaggtcgctg acaatgcagc accactagtt ctgaggaagg 180  
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<213> Glycine max

<223> Clone ID: 700892405H1

<400> 33575

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<210> 33576

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700892406H1

<400> 33576

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 aataacacca agttcgcagc ctcggttaac aacatttctt ttgcacttcc atcatctgtt 180  
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<223> Clone ID: 700892407H1

<400> 33577

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<223> Clone ID: 700892408H1

<400> 33578

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 cccctcagct cctctcactt ccaggagggg agcaatagca gctgcataca gtagcagcgg 180  
 cgggtcagtg tatgacaaga accctgatga tcagatccac tctggggcgg tcccagacga 240  
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<210> 33579  
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<223> Clone ID: 700892410H1

<400> 33579

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gaccatcatc cgttgactgt ggaaagctct cttcaatgcc tattgtttcc ttactattg 180  
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 aagccca 247

<210> 33580  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892412H1  
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 <213> Glycine max  
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ggctctactc ctcctccagc gtggttacac cgtccatgcc accgtccaag atatcaagga 180  
 tgaaaatgag acgaaacatt tggaggaaat ggaaggagca aagagtcac tccatttttt 240  
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<210> 33583  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892414H1  
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 ggcggtgggt tgataatcat ttggtacatg ttctgtcacc aaatatatat cgaaatacat 180  
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 aattt 245

<210> 33584  
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 <213> Glycine max  
 <223> Clone ID: 700892416H1  
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 cggatagggg ggcgagagtg ttgaggtaca gggagaagag gaagaaccgt aagttcgaga 180  
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<400> 33585

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 agtggcactt caacttctct cctagctaca tggcgcgttt gcaaggatag aagctaggcg 180  
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<210> 33586

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700892418H1

<400> 33586

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 atgagaacac tgtcatagta attttgggtc atagaactgt gtatcagagg cagcaaata 180  
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<210> 33587

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700892419H1

<400> 33587

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 atcgaaggag gatttgaagg aagtgaacca caagggttac tttgatgttg agattaatgg 180  
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<210> 33588

<211> 241

<212> DNA  
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<223> Clone ID: 700892420H1

<400> 33588

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<223> Clone ID: 700892421H1

<400> 33589

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 aagcaatctg agcaacaaca actgcaccaa taataatagc attggcctcc aaatcccccac 180  
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<210> 33590  
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<223> Clone ID: 700892422H1

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 gtgagccagc tctcctacgg cgcgtgggtg agcttcggga accagctgga cgtgaaggag 180  
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gtct

244

<210> 33591  
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<223> Clone ID: 700892423H1

<400> 33591

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 aagcctatac caaagccagt tccagttcca gtgtataagc ctattccaaa gccagtgtat 180  
 aagcctattc cgaagccagt gtataagcct attccaaagc cagttccagt gtataagcct 240  
 atgcca 246

<210> 33592  
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<223> Clone ID: 700892424H1

<400> 33592

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 aactttcgac ccatcatcta aaattttctt ctttcttctt ctttttcttg tctatgtctt 180  
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 ctgatgg 247

<210> 33593  
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<223> Clone ID: 700892429H1

<400> 33593

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 tgcaatatca ataccttctc acatgaaagc ttggacatac tctgagtatg gaaaatccaa 180  
 ggaagttctc aagtttaate agagtgtggc tttgcctgag gtgaaggaag accaggtcct 240  
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<210> 33594  
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 <213> Glycine max

<223> Clone ID: 700892431H1

<400> 33594

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 tgcttcacga ttaggctctg ggtgtgtgac acctgatggc ctggggctgg aatccaggtt 180  
 aggttctggc tgtttgacac ctgacagtgc tgggccaatc aatcaaaaaca acatctctgt 240  
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<210> 33595  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892435H1

<400> 33595

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 ccaggggatg cagtggccgg cactgatgca agcccttgcg cttcgcaacg acggccctcc 180  
 ggttttccgg ctaaccggaa tcggaccgcc ggcggggatc aactccgacc acctccagg 239

<210> 33596  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892436H1

002240-03200

<400> 33596  
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tcgatgacag atgcagtttag caatatttga atatattgtc actatttggt tgaatgtaat 180  
gattcttact tacaagtgcc aaaaaagaag aaaaaaaaaa acatctaaag aaata 235

<210> 33597  
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<223> Clone ID: 700892395H1

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actggcgcca cggccctaac cgcccatagc ccgtcgtttg ggtggacccc aggaacaagt 180  
gttccacgcy tgtagacgaa gacggcgata ccgaagccac ctgggaccaa accctactta 240  
ttcctctccc cccgg 255

<210> 33598  
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<223> Clone ID: 700892439H1

<400> 33598  
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taacaaaggt gtggagaaag agtcttatgg cgagattgtc acggcgcttg ttaaggatgt 180  
tcaagcgctg aattcttcag caataggaac aaattcatct tatttctatg ggaagc 236

<210> 33599  
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<212> DNA  
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<223> Clone ID: 700892365H1

<400> 33599

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 tggcctcagt cacacgtgca gggttcacag ttagatcaca acaacaacaa gtgagtgggtg 180  
 aggtacaaag cagccgtagg gcagtgcttt cacttgttgc tgctggtttg gccactggct 240  
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<210> 33600

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700892366H1

<400> 33600

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 ctctcgccac agtgtcaaat ccaagaactt cagtgttaact aagcattaca ggagtgggtg 180  
 cgtggttagca aagtatgggtg acaagagtgt gtactttgat ttggaggatc tgggcaacac 240  
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<210> 33601

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700892367H1

<400> 33601

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 ttaatcatca aaacaatttg gcggccagaa aggagagtga aatgtgatga aatcctagga 180  
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<223> Clone ID: 700892368H1

<400> 33602

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 tgaggcagaa ctgca 195

<210> 33603  
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<223> Clone ID: 700892369H1

<400> 33603

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<210> 33604  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892370H1

<400> 33604

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 gacaccgtcg tcgtcgtcgt cgtcatcaat ggcaccgaag cagaccaagg ctgagaagaa 180  
 gatcgcttac gatgcgaact gtgcgacctt atggaggagt acggccagat cctcgttgtg 240  
 aactccgat 249

<210> 33605  
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<212> DNA  
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 <223> Clone ID: 700892372H1  
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 aagaagaaaa tccacgctgc attcattact cagtgcctaa tccttataag aagagcttca 180  
 ctgcaaatct atcgtgacac aaacaattat tgggcacgtt tagttgtctt tatcttcata 240  
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<210> 33606  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892373H1  
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<210> 33607  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892374H1  
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 gcgtaca 247

<210> 33608  
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 <212> DNA  
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<223> Clone ID: 700892375H1

<400> 33608

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 gacactactc attgttaatt tgtgtataga ttatattact tggccatata tcttggcttt 180  
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<210> 33609  
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<223> Clone ID: 700892376H1

<400> 33609

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 agtacatgtt tttagtattg tagttttata attgaatggt ttagggataa catacctttt 180  
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 gccga 245

<210> 33610  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892377H1

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gaagcgccac aaggacgctg cagtatcagc cagaaaagcc gaagtatcca gtaagcgtgc 180  
 agaagatatt gctgcaggaa ctgtccaaat gaatggccgg gagctatddd tacatgagcc 240  
 atgggtgttt ga 252

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<223> Clone ID: 700892378H1

<400> 33611

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
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 tacatcaccg tct 253

<210> 33612  
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 <212> DNA  
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<223> Clone ID: 700892379H1

<400> 33612

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<210> 33613  
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 <212> DNA  
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<223> Clone ID: 700892380H1

<400> 33613

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gaaggaatat ctataccaat tgggaattata cgggctgggt ctgataactc gttggtatgg 180  
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<210> 33614  
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 <212> DNA  
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<223> Clone ID: 700892381H1

<400> 33614

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 taaagaaagg ggcttcctct gtggaagggtg ttgaggccaa gttatggcag gtacctgaga 180  
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 ttacccccaa tg 252

<210> 33615  
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 <212> DNA  
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<223> Clone ID: 700892382H1

<400> 33615

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 tgctgtgtgc tgtaatcatg taatgatagc tttttttatt attttagtatt attgtggctt 180  
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 caatttggtt 250

<210> 33616  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892383H1



<210> 33619  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892387H1

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 catggattat tgggtataaa gcatggggct cccttttagg actacagttg gcagaaagag 180  
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 taaa 244

<210> 33620  
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 <213> Glycine max

<223> Clone ID: 700892388H1

<400> 33620

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<210> 33621  
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 <213> Glycine max

<223> Clone ID: 700892389H1

<400> 33621

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 ccaaatgctc acaagataga ggaacaccgt cggaaatatg aaaggctgca caaagaaaga 180  
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 gagaagg 247

<210> 33622  
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 <212> DNA  
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<223> Clone ID: 700892390H1

<400> 33622

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 tctttctctt tccatctcaa atcgattcga ttggagggtt tcagggcac gatggagtga 180  
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 cggca 245

<210> 33623  
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 <212> DNA  
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<223> Clone ID: 700892391H1

<400> 33623

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 tataaatg 248

<210> 33624  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892392H1

<400> 33624

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ttttgcccaa gcaccttgat gagaagggtg ctgcacttca ccttggcaaa cttggagcta 240  
agctcacca 249

<210> 33625  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892364H1

<400> 33625

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gatttagcac aacactggca gccgtgaagc tga 93

<210> 33626  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892393H1

<400> 33626

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acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccagaccag caacgtctca 180  
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agagtactct 250

<210> 33627  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892330H1

<400> 33627

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gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca 180



ccaccgagac cttgggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa 240  
 tgggtgtgcc cgctgaga 258

<210> 33628  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892331H1

<400> 33628

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 tgccggcaacg gctgcggagg ctgcaagatg taccagact tgagctacac tgagtcaacc 180  
 accaccgaga ccttgggtcat gggagtggca cctgttaagg ctcaatttga ggggtgctgaa 240  
 atgggtgtgc ccgctgagaa 260

<210> 33629  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892333H1

<400> 33629

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 agtttgcaga gaaaatctga atcatgtcgt ggcaagcgta tgtcgacgat caccttctgt 120  
 gtgacatcga aggtaaccac ctcaactcag ctgctatcat cggccaagac ggcagcgttt 180  
 gggctcagag taccgacttc cctcagttca aacctgagga gataactgcc atcatgactg 240  
 actttaatga gcctgga 257

<210> 33630  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892334H1

<400> 33630

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 gcacagagcg aggggtggag tacttccatg gacaataaga ctcaccattg ctactgaaac 180  
 cgctaattgct atagcatatc tccattccgc aaatgatcat ccaatttatc atagagacat 240  
 acaatccagc gacata 256

<210> 33631  
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 <213> Glycine max

<223> Clone ID: 700892336H1

<400> 33631

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 ggaacatggt ttggggcatc tgccatttac agaaaagcaa gtaatcactc ctactggttc 120  
 tgtatacact ggtgttgatt tttgtaaaag gttgtgtggt gtctctgtta tcagaagtgg 180  
 ggagagtatg gagaatgctt tgagagcatg ctgtaaaggt atcaagattg ggaaaatttt 240  
 aattcacaga 250

<210> 33632  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892337H1

<400> 33632

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 tggccaccat gcaggtcctt atgcccatgc acatgcagat gcagatgcag atgcagatgc 120  
 ccatgcccat gcacatgcct ttacccatgc agatgcagat gcagatgccc ctccccatgc 180  
 cgctccagat tcccttctcc gtccaggaca ccgccccctc ctccgggaag cgccgccgcg 240  
 acgacgagaa t 251

<210> 33633  
 <211> 254

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700892338H1

<400> 33633

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 caatgtaagg gttatgaatc ttgagagtcc tgtgaagact gaagtggagg aagcttatga 120  
 aggggaagat gagcatgaag aatcaccttc catcaagagg gagctctctg attttgatct 180  
 ccaagtcttc gaagttgctg caagcaaagg aggatatgat ccatcaagtg aagagataaa 240  
 ataccctagt ttat 254

<210> 33634  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892339H1

<400> 33634

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 caaacatggc aactcaaag agcaagaaga gaaagtttgt ggcggtatga gtgttcttcg 120  
 ccgaactgaa cgaggttctg acacgtgagt tggcgaggga cggttactcc ggcgtggagg 180  
 ttagggttac gccgatgagc accgagatta tcatcagagc caccagaacc caagccgttc 240  
 tcggtgaga 249

<210> 33635  
 <211> 153  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892340H1

<400> 33635

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 ccggactgaa cgatgttctg acacgtgagt tgg 153

<210> 33636  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892342H1

<400> 33636

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 ttgcttttct tagtcatttg cttttcttca gcttcttctt attgtttttg ttagacattt 120  
 gcttttgctc attcgctca ctcattatct cccaaaatct catttccacg atcatcgttt 180

<210> 33637  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892344H1

<400> 33637

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 ctattgcctt gaacacggca ttcagcccga tgggcagatg ccgagtgaca agaccgttgg 180  
 aggaggagac gacgccttca acacattctt cagcgagacc ggcgccgga agcacgtgcc 240  
 tcgcgccgctc t 251

<210> 33638  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892345H1

<400> 33638

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 ataccagtgg gcaatttgtg gggcttgctg agatgattgg tcctgttgat ttaacaaga 120  
 gtgttgagta ttggcagcaa gacaagtgga atggttgctt tcctcttaag tggcacattg 180  
 ttaaggatgt tcctaacaat ttgttgaggc acattacctt ggacaacaat gagaacaaac 240  
 ctgtcactaa cagtag 256

<210> 33639  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892346H1

<400> 33639

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 cctgaacaat tatggtttcg tattgatgga catgtatggt catctattgt aggaactcct 120  
 tatatttcta gtatgaatgt catgtagtgc ttaatgtagc ttgactgttg aatggggatt 180  
 tgagcaggct ttatttagta ttcagatagt tatgaaatca aaattgactt cagtgtgta 237

<210> 33640  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892348H1

<400> 33640

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 atagtttgat tggaggagat gactttaaga gtggtcagac caaaatgaaa tcggtgttgg 180  
 tggatttcct agtaggggcc ggcacatcaagc caacatctat agtgagtcac aaccatttgg 240  
 gacacaatga tggcatg 257

<210> 33641  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892349H1

<400> 33641

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 tagagtttgt atatttgggg gaaaagcatt tgctacatat gtgcaagcca agagaattgt 180

gaaatttatt acagatgttg gggcaacagt aaatcatgat cctgaaatag gagatctact 240  
 taaggttggtt tttgtcc 257

<210> 33642  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892350H1

<400> 33642

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 ataggagctg aacgaatttc acacactatg caatttgcag gaatccagca gggatatggat 120  
 atggagacat ccaccctgct tattgaggca agtgcacttg ctgttccttg taaccctgat 180  
 caggcaagaa gccattttga ctacatgata aaattggggc ataagcctga tgataggtgc 240  
 accgctagca tga 253

<210> 33643  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892352H1

<400> 33643

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 gacgagtgcc gttatgctgt ttatgatattt gagtatctga ctgaagggaa tgtccctaaa 120  
 agcagaattt ttttcattgc gtgggtcccct gacacatcaa gggtgaggag caagatgatt 180  
 tatgcaagct ccaaagacag attcaagagg gagctggatg gaattcaagt agagttgcaa 240  
 gcaactgatc 250

<210> 33644  
 <211> 131  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892353H1

<400> 33644

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 ttttgaagaa tttttgggtg tgtactagaa atattttcat ttggcttcat ggttttattg 120  
 ataaggattt g 131

<210> 33645  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892354H1

<400> 33645

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 gtcattatcg taaatggtaa tgtggggccca atgttggtgc ataattttta aaagtacaat 180  
 ttacatgcat gggcagtcta tatttttagta tatgcacatt gatcccttac ccaagtatat 240  
 tataatttaa t 251

<210> 33646  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892355H1

<400> 33646

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 tatgaggaaa gaactcccaa aaattgatag gaagtgccgt atgacactct aaacacagcg 180  
 ccaattttta gaacgctctc atccaccgat gtcacgggc gagagcggtc tttgtggtgc 240  
 tgtgtgtgt 249

<210> 33647  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892356H1

<400> 33647

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agacccagaa caagtatgag agctctgagg ttgaggtcca ggatc 105

<210> 33648

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700892357H1

<400> 33648

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attctgttca tcggagggac tggttacatc ggaaaattca tcgtggaagc cagcgccaaa 120  
gctggccacc caactttcct tttggtgagg gagtccactc tctccaaccc cgcaaaatca 180  
cccctcatcg acaatttcaa aggcctcggt gtcaatcttg ttttaggaga tctatacgat 240  
caccaaag 248

<210> 33649

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892359H1

<400> 33649

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gtactttgac ctgccattct gtgtaacagg tcatgagaaa gataagactg atgccctcgg 120  
tgaggtgtta aatggcgatc gccttgttag tgctccttat gaacttagtt tcaagaagga 180  
gaaagactct aaggttgtat gcaagaggaa gctcaciaag gagcaagttg ctcagttccg 240  
agaagcagtt aa 252

<210> 33650

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892360H1



<400> 33650

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 aggccaaccc ttacagccgt ggctgcagtg ccatcaccag gtgcaggagc taaattatat 180  
 atttattatt attctccttt ttttttaaaa aaaaatttca tattcggggtt tcgttgata 240  
 catgaccaag at 252

<210> 33651

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700892362H1

<400> 33651

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 ggaagttcca tcaaccctag tgagagaacc tatccagagg agatgataca gacaggaata 180  
 tctaccattg atgtcatgaa ttctattgct agagggtcaaa agatccctct attctcagct 240  
 gctggtctcc ccata 256

<210> 33652

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700892329H1

<400> 33652

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 tattgggacc gttgaactct caggatgtga aggacgccgc ttccttcgcg gtgcggtgct 120  
 tgtacgcccg cgcttcgcac gatttggtgc cgcaggcgat actcgcgacg aggagtetca 180  
 ttcagcttga tgtgaggact cgagaggctg ccaagacgaa tgccgccact aactcgaacg 240  
 ccaacacccc caccaagg 258

<210> 33653  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892363H1

<400> 33653

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 ttcaaccgct ggagcttcga cgacgttgag gttactgata tgtctctggc tgattacatt 180  
 ggagtgtccc cgtcaaagca tgctacatat gttccgcaca ctgctggtag gtactcagtg 240  
 aagaggttca ggaa 254

<210> 33654  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892295H1

<400> 33654

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 gctacatctc tatctgcagg agttggggaa gaaggaattt atcggtcac tatagcttat 180  
 gtctttgtca tgtccatata cctcacagac tctggtatag ataagatctt tgatatcatt 240  
 ggctttgtct a 251

<210> 33655  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892296H1

<400> 33655

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 tgtgatcagg gatattcatt ttaataaaaa caacaaccac actttctccg tttctcgtgg 180

ttcatgctat ggcggcagag gcggtttgt tcttttctgt ggcatcagt gtggaggacg 240  
tgcttcagca g 251

<210> 33656  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892301H1

<400> 33656

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cctgaatgat atcaaagggtt accaaccctta tcgatgctgt caacatcggc caactcggca 180  
tcgttctcgt atacagtacc gcttttccct cagtcceaaa cttaatgcga tacttgccgt 240  
cataactgac cttaa 255

<210> 33657  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892304H1

<400> 33657

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tttgttgcat tttcaactcc tgaggaagca actcgagctc ttggtgagat gaatggtaaa 120  
atgtttgctg gaaaacctct gtatgttgcc cttgcacaga gaaaagccga gagaagagca 180  
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cgtatgcctc t 251

<210> 33658  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892305H1

<400> 33658

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 ttagtaccaa ttcaggagca gcaacaagaa caaccaagga actcaaata gaattctctg 180  
 gaactatacc aagagcaaca acaccaaccc tcaaggaatt ccacctcagg agttgtagtt 240  
 accacaaatt gggagt 256

<210> 33659  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892306H1

<400> 33659

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 cagggttaaat tatatgactt tggaagtgc aaggttttgg taaaaggcgc accaaatata 120  
 gcatacatat gtactagata cgatagagca cctgagctca tatttggcgc aactgaatat 180  
 acttcagcca ttgacatctg gtctgttga tgtattccag ctgagctgct gcttggacag 240  
 cctctgtt 248

<210> 33660  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892307H1

<400> 33660

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 gcaaatatct taattgtaat taactccaac tgtgtatata taaatcatga aacatgtaag 180  
 tagcatgcaa aaaaagggtg tcgaatcttt atttgagacc tttatatttt cgttgtacaa 240  
 aaaatttctc tgtaaaaa 258

<210> 33661  
 <211> 257

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892308H1  
 <400> 33661

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 gatactcttt cctctctccg cttcgaattt cttctcacac tctctgcttc gccgcaaaca 120  
 gtgactcact gaacaacttt ccgaagcatt gagtagtagt gattgggtgg taacaaagag 180  
 agagagagag agaaaaggat gaaccagaac ccgcaatcga gtgaaggccg gaacgatgac 240  
 gattctgccc tttctga 257

<210> 33662  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892310H1  
 <400> 33662

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 aggggtctttc agatatgggt ccatcaatgt gactgatatt tatgtattga aaaataagcc 120  
 actggagaaa atcaatggga agcggcgagc aacactcagt ggaaactctt ttgtcaatcc 180  
 ttctactcca atcaggcttg ctgaccagta caaattaaag ggagtataca agcttgattt 240  
 ccctaccaag cctctta 257

<210> 33663  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892311H1  
 <400> 33663

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 cgatttagag tttccagaaa agaaattgat tttcagtcag tatcagatgg atcattttgc 120  
 agcacatgaa gagcaacttg cttcacagag aatgaggcag aaacttgaag aagtaaatgt 180  
 ggctgctcaa actaatcttg ccctgtcca agactatgtc aattatacac tccagaaagc 240

atattttaag tgtg

254

<210> 33664  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892312H1

<400> 33664

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catatgtata acactgaaat tgttccatgg ccttggttaat gacgggctga gttgatttta 180  
tctttttgtga tgatgatctt cacgtagaa cttttttgtg acaatgttta catgtgattt 240  
cttaaagtt ttt 253

<210> 33665  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892313H1

<400> 33665

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tcctctttat cccaagagg gcaccttttg atctctttga caccaggaag aagcctaaca 120  
acatcaaact gtatgtccgc cgtgtcttca tcatggacaa ctgtgaggag ttgatgcctg 180  
aatatcttag ctttggttaag ggtattgtgg attctgagga tcttcctctc aacatttcta 240  
gagaaatgct gcagcaga 258

<210> 33666  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892314H1

<400> 33666

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ccagttccgc gaccttttgt tcctctttct gttcctccat cagttatgcc tatgatgcat 120  
 ccaccacctt tgcctcaagg acttccacca ccaccgccac cagaggaggc tcctccccc 180  
 ctcccagaag aaccagaacc aaagaggcag aaacttgatg attctgctct gatccccgaa 240  
 gatcaatttc tggctcaaca tcct 264

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<223> Clone ID: 700892316H1

<400> 33668

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 aagatggaaa acctattcaa cttaaggaag gacaagaaat caccataact actgattatg 180

acattaaagg ggatcaggag atgatatcca taagttacca gaagctgcct gtccacttgc 240  
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 tgттаagcgt gttgtaaata agctgttata acaattgtag ctgggattca ctttatggaa 180  
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cataaaacta ttgatagtgt gctagctaga ggggagaagc tggatagttt agttgagaag 180  
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<223> Clone ID: 700892324H1

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acatgaacac atcatccttt agaaaaccac ttttacttat gaaaaataaa atcacattaa 180  
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<223> Clone ID: 700892325H1

<400> 33677

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tttgctaccg ctgttccac acctccaca tcaccgccat catcatcacc agcttcttcc 180  
gccacaagcc ttagaattat actattccca cctccctct ttcttcaaca acaaccgttg 240  
acttcactac agtca 255

<210> 33678  
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<212> DNA  
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<223> Clone ID: 700892326H1

<400> 33678

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 cagcccatg ctgcagctgt tagtggttca tctgatcttc ctgtggcaaa tgcaagggat 180  
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 aaagctgggg gtt 253

<210> 33679  
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<223> Clone ID: 700892294H1

<400> 33679

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 atgcacttct cgacatgtcc accgatgaac tcgtcaagat gttcagtgcc cgcgctcgta 180  
 gaaggttcca gagaggcctc accagaaagc ccatggcctt gatcaagaag ctccgtaaag 240  
 cgaaaagg 248

<210> 33680  
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<223> Clone ID: 700892328H1

<400> 33680

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<223> Clone ID: 700892261H1

<400> 33681

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 tgatatatgg aggatgctaa agttagctga ttttttggtg tttattttcc tgtttgaaca 180  
 gaagtagcag ttactgtgcc tttggttctt ctggtgaaca gaagtgcctt gattttcatg 240  
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<223> Clone ID: 700892262H1

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 gttaagtctg tggaaatgca ccatgaagct ctcacagagg ctcttcccggtgataatgtt 180  
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<210> 33683  
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<223> Clone ID: 700892263H1

<400> 33683

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 ttctgcatta tgggatcctt ctcataactg tgagtccctcc agtgtggagt atatcaggca 180

ccttctatca gcttct

196

&lt;210&gt; 33684

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700892264H1

&lt;400&gt; 33684

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aagccaagct ttccattgtc gaattccaac cacagtgcgt cacaaaacac cccacagaac 180

gatgtgaaag aacttccact tgagaacacc aatttactat cttccccttc tgttccaact 240

cctccctgca gcttag 256

&lt;210&gt; 33685

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700892265H1

&lt;400&gt; 33685

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cccaaccct tctg 194

&lt;210&gt; 33686

&lt;211&gt; 213

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700892266H1

&lt;400&gt; 33686

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cctcgatcat gtctcacttc aagggaagt accatgatga gcttattgcc aatgctgctt 120

acattggcac tcttggaag ggtattcttg ctgctgatga gtcaacaggg acaattggca 180  
agcgtttggc cagcatcagt gtagaagatg ttg 213

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<223> Clone ID: 700892267H1

<400> 33687

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ccttcacctc gtctccgtc tccgtggtgg catgcagatc ttcgttaaga ccctcaccgg 180  
caagactatt accctagaag tcgaaagctc cgacaccatc gacaacgtca aggctaagat 240  
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<223> Clone ID: 700892269H1

<400> 33688

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atgcaaatga tgcctacatc acaatcaagt agtccttttc ctgcagtttt catggcaaag 180  
caggagaaat ataattcaaa acttgctgag atgttccaga aagtggaaga tcacgagtca 240  
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<223> Clone ID: 700892270H1

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 gcaagacatt ttccacagc aatcgtgact ggaaggtgca gagacaaggc atataacttt 240  
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 ctggaggcga ccttgccaag gtgcagaggg cagtttgcatt gatttcaaac tccaccagt 180  
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<223> Clone ID: 700892272H1

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 gaagcatgtt ttgattact tcacggacag aacacctcga tcatattttg aagaaagga 180  
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<210> 33692  
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<223> Clone ID: 700892273H1

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<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700892275H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 700892276H1

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 tggccgcaac ctgcgcgcgc aggaactgtg gtccgagctt gaccctttct ctgacctcct 180  
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<210> 33695

<211> 254



<212> DNA  
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 agttaaagt ctatccaaga gtggaaatcc tagaaaggac caggccacaa atccagtacc 180  
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<223> Clone ID: 700892282H1

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<223> Clone ID: 700892284H1

<400> 33699

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<223> Clone ID: 700892285H1

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70

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<223> Clone ID: 700892286H1

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<223> Clone ID: 700892287H1

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ggaaatctcg gtgg 254

<210> 33703  
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<212> DNA  
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<223> Clone ID: 700892289H1

<400> 33703

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cggcgctcgc cgcg 254

<210> 33704  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892290H1

<400> 33704

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gcctgaagag gctactcacc ccgacacgtt gaaggcgggg ttggctgagt tcatctccac 180  
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cggcgccgcc actc 254

<210> 33705  
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<212> DNA  
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<223> Clone ID: 700892292H1

<400> 33705

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<210> 33706  
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<212> DNA  
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<223> Clone ID: 700892260H1

<400> 33706

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<210> 33707

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700892293H1

<400> 33707

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 tgcagttgat gctgctcggg gattggaata ttacatgag aaagttcaac caccgattat 240  
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<210> 33708

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892225H1

<400> 33708

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 ttgtcgtgct ggatacagag tggtgttgct cataatcata acaagttcac caaacctca 180  
 ccactctctc ctctttctct ctctctctct gcgcgacgcc ttctctgcac tccccggtta 240  
 ccagtggaat tgggaagctt gg 262

<210> 33709  
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<223> Clone ID: 700892226H1

<400> 33709

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 tctttaaaaa atgca 135

<210> 33710  
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<223> Clone ID: 700892227H1

<400> 33710

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 ggaagggctt ctcccatcgc aaattgtctc ccagttatca cattcacaaa accattgacg 180  
 aatcctatgc agttatcttc gatgctggta gcacgggaag ccgtgtacat gtctatcggt 240  
 ttaaccaaca attagatct 259

<210> 33711  
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 <213> Glycine max

<223> Clone ID: 700892228H1

<400> 33711

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 gatgctggtg ttagagccaa tgcacagcag ccaaaacttt ttgttggaat gattctcatc 180  
 ctcatttttg ctgaagctct tgccctttat ggcctaactg ttggaattat cctgccttct 240

cgtgctggcc agtctagagc tg

262

<210> 33712

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892229H1

<400> 33712

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tgtcacacta gtggccggaa agaacacaat tgatctcttg agtttaaccg tgggacttca 120

gaactatgga gccttttttg acacatgggg agcggggatc actgggtccag tgatattgaa 180

aggtttggca aatggcaaca cacttgatct ctctaccag aagtggactt atcaggttgg 240

cctcaaaggg gaagacttag 260

<210> 33713

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700892230H1

<400> 33713

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ctattttgaa atatcttcac ctcttaaga gaacgtagtg ttgttcaggt tcttcaaaaa 120

agttttgggt taaattgtgc atattatggt aaacaaaaca tggagctaga tatattttat 180

cttgcttgtc acataaagct gtgagaaaat ggtattttgc cgtggacttg gttatatggt 240

gcttgactct attggctcca 260

<210> 33714

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700892231H1

<400> 33714

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ggttctaagt gagctacagg aacatagaac aaacatacat ggggactgcc gctactttct 120  
tctgcattat gggatccttc tcataactgt gattcctcca gtgtggagtt tatcaggcac 180  
ctatctatca gtttctaagt catcttctct tggtttgaag tttaactgcc aacaattttg 240  
caagggaaga tcaaaattgc ca 262

<210> 33715  
<211> 226  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892233H1

<400> 33715

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gtttgtggct tgtcatgagt gttattttcc aatttgcaag gcttgttttg aatatgaaat 180  
caatgagggg cgtaaagtct gcttgagatg tgccactccc tatgct 226

<210> 33716  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892234H1

<400> 33716

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gaggagagtt atttgagcgg atatgcaatg caggacggt tagtgaggat gaggcacgct 180  
tcttcttcca acaacttata tcaggggtta gctactgtca tgcaatgcaa gtatgccatc 240  
gtgacttgaa gttggagaa 259

<210> 33717  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892236H1





<210> 33720  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892239H1

<400> 33720

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 ggctaagaac agacactcca atgggcaagg acgctggccc gtcaaatacag ctaagttcat 120  
 tctagatttg ctgaagaatg ctgagagtaa tgctgaagtg aaaggtttgg atgtcgatgc 180  
 tctgtacatt tc 192

<210> 33721  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892241H1

<400> 33721

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 gtgggagaca cctcaggttg ggcaactcgg gctgattaca gtacatgggc cagtggcttg 180  
 aaattgaaag tcggagatag tcttgttttc aattatgggg ctggtcacac agtggacgaa 240  
 gtgaaagaaa gtgattacaa g 261

<210> 33722  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892243H1

<400> 33722

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 ttcataaata ggatgggggtc aaatgatgta tggggtgaag gcattggtgt aaataactaat 120  
 gctgatttca gatcaggata tattatgaat actagcattg ctgggtcttga aaaagcggat 180  
 gcgttctctg tgggtggcac ccagccacgg gtggaagctg ccatgggttaa tgccagaata 240

cgcaaaactg tcagagca

258

<210> 33723  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892244H1  
 <400> 33723

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 tgtgaatgga tttggaattt aaattgtgtg aatatttttt aattgtttgt tgagaagcat 120  
 tgaattggat tttacttgag gagtagtata ttatggagaa cgtgtgtgat gttaatcact 180  
 tggatgcgga tggtcttttg cccctcgga agcgtcttct tgctgggttg aaaaaacaga 240  
 gttcagatgg tgatgctg 258

<210> 33724  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892245H1  
 <400> 33724

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 ggtgaagatt gcccttaagt tgaagggagt tgaatacaaa tatgtggaag aaaatttggc 120  
 caacaagagt gatttgcttc tcaaatecaa cccagttcac aagaaagttc cagtttttat 180  
 tcacaatgag aagcccatag cagagtctct tgtgattgtt gagtacattg atgagacatg 240  
 gaagaacaac cccatctt 258

<210> 33725  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892247H1  
 <400> 33725

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aggagaaatg ggggtgacat tcaccaagct tttcagccgg cttttcgcca agaaggaaat 120  
gcgaattctg atgggtgggtc tcgatgcagc tggttaagacc accatcctgt acaagctcaa 180  
acttgagag atcgttacca caattcccac cattgggttc aatgtggaga ctgtggaata 240  
c 241

<210> 33726  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892250H1

<400> 33726

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tctagtgtc ctcctcctct tctctctagc caaagggctt cacaacccca aatgtgatgc 120  
tgcctatcaa catgaccatg atggctcaac cctccaagtg ttccatgtgt tcagcccttg 180  
ttccccattc aggccctcaa aaccaatgtc atgggaagag agtgtcctac agctacaagc 240  
caaggaccaa gccaggatgc a 261

<210> 33727  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892251H1

<400> 33727

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ctcctcttat tggacccgac actgtatcaa ccattgccaga ccaagccctt caagcattta 120  
ttgatcatgg taccgtatcc aggacaatag actcaatgca tctgaagctg aaggaatata 180  
caatgtcttc cagaaattgg gtattgactg gagctttggt ggttcccagc ttgaacttga 240  
aggagtggac tcgtttaaga 260

<210> 33728  
<211> 182  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892252H1

<400> 33728

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 ttggcccaac gtggtagaaa tggacaatgt gtcctgaac tgcaacaagc tgcagcattg 120  
 tttaaccac aactggaaca aatgttgcta caactcacca ggaaaattgg aagtgcggtt 180  
 tt 182

<210> 33729

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700892253H1

<400> 33729

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 tatgctagaa ttatccaaaa gcttggtttc ccagctaaat ttaaggattt taagattcag 120  
 aatattgttg gctcttgta tgtaaagttc cccattcgac tggagggtct tgcctattcc 180  
 catggtgctt tctcaagtta tgaaccagag ttgtttcctg gactaatcta tcgcatgaag 240  
 caaccaaga tagtcttg 258

<210> 33730

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700892256H1

<400> 33730

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 agaccagaa caagtatgag agctctgagg tttaggtcca ggatcgtggg gtttttgact 120  
 ttctcggtaa gaaaaggat gaagaagaca agcctcatcc tcaggaggag gtcatcgcca 180  
 ccgagtttca aaaagtcact gtctcagacc aaggagagaa caagcacagc ctcttagaaa 240  
 agcttcaccg atctgacag 259

<210> 33731  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892257H1

<400> 33731

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 acccagattt tgcggcctca ggactgtttc gtagaacgaa tcatgtctcc tcccgctgac 180  
 ttttcccggc ggaggagttc cggttaactac tgtaattatt attaccacag caaccatgtt 240  
 gccacttcca ggtcgtgc 258

<210> 33732  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892259H1

<400> 33732

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 ggtttggaga ctgcaggagg agtcatgact gtgttgattc ccagaaacac aaccattccc 120  
 accaagaagg agcaggtgtt ctcaacctac tctgacaacc agcccgtgtg gttgattcag 180  
 gtctatgaag gtgaacgaac gaggactcgt gacaacaatt tgcttggaac atttgagtta 240  
 tctggaattc ct 252

<210> 33733  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892224H1

<400> 33733

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 aacggtggcg cttttgattt tatcgaagaa aacggaaacg ggagcgactc ggactcgaat 120  
 tctgatgacg cgccggagta ctaccagccg atctccgccg tggaagacag tgggagttcg 180

gacgacgagc acgacggtga attcggacac ctcccgaacg gttttgccgc gcacggcgtg 240  
gtggagaacg ggatctcgtc tctgg 265

<210> 33734  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892186H1

<400> 33734

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ttggatgcaa aaggcattta tccaaatctt tcaaagcttg ctttagctct tgaaaagaac 120  
ttgttagtta cttctacatt gacaatctgc actgatccat acccacaagc tacagaaaaa 180  
gagccagatg accaagagaa ggcaagtga aagcagcagc agcagcaaca atctgatagt 240  
g 241

<210> 33735  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892187H1

<400> 33735

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tggcctgaag tcaatgtgga agagtccaaa tgggactatt aggaacattt tgaatggaac 120  
tgtcttcaga gaaccaattc tttgcaaaaa cattccccgc cttgttcctg gttggaaaag 180  
gcaatatgta ttggaaggca tgcgttttgt gatcaatatc gggctactga cactgtaa 238

<210> 33736  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892188H1

<400> 33736

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aggttctcgt gtgtttgtcc aggaagagat ctatgatgaa tttgagaaga agttggtgga 120  
gaaggcaaaa tcttgggtcg ttggggatcc ttttgatccc aaatcgctgc aagggcctca 180  
ggctgacagg aaccaattgg agaaaatact ttcatatatt gagcacggaa agagagaagg 240

<210> 33737  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892189H1

<400> 33737

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acaaggccat gggagcagaa ttatggaaac agcacctatg gaggatatgg gtctacaatg 120  
aattataatt ctgggtatgg atctggaatg tatggatctt cttatggtgg actaggagga 180  
ggaatgtatg gatcatctta tgggtgggggg atgtatggta acagtatgta caggggag 238

<210> 33738  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892190H1

<400> 33738

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agctgaagtg cctcgatttg gatttgaaga accaaaatca gctcttgga cttcgagggt 180  
ctcgaaatca ttagtcgctg caacggaggt ccttccggga gattttggac acttag 236

<210> 33739  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892192H1

<400> 33739

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agagaaaatg gcccgatcat ttatcaaagg ccaatcttcg gtagaagaga aggttccttt 120  
 ggaacactta tatctatttc agtataccgg gtctcttaca tacatgtcaa aaaatttata 180  
 gaatttcgat tttgacatga aagaaaagtg tggggataaa tatatatgac aatgagatat 240  
 t 241

<210> 33740  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892194H1

<400> 33740

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 acgatgaccc tttgattaac ccctttgtgg aggaggctcc ggggtattgaa ggggttgctt 120  
 gcgatagggt tcttgttact gttgcggaga aagacatact gagggaaagg gggaagcttt 180  
 atcacaaaat gttgagcaac agtgactgga gaggaactgc tgagttccac gagactccag 240  
 g 241

<210> 33741  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892195H1

<400> 33741

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 gtgaatctgg gggtaataat ctgagttctc atttcattag ggactcggct gtttagttat 180  
 ttacat 186

<210> 33742  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892196H1

<400> 33742

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atctgattca agtccatgaa gccacaatca tcgtctttga atccatatgc aacgtcatat 120  
gttcctctct ctaaaagggg ggtagatggt agaacacctt cgactgaaaa agattccaag 180  
acttataatg ggacagtatg gtttcagact catcaggggt ccacaaatga tccacaactt 240  
at 242

<210> 33743

<211> 190

<212> DNA

<213> Glycine max

<223> Clone ID: 700892201H1

<400> 33743

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gaagcgtcca gcgtagtaac gctgaggacc ttcactctca agttttcaac cgtttgtttt 120  
ctatataata tccctaaccg ccgtggatgg gacaatctgt ttcctccgcc gccgtcgcaa 180  
gccgtcgtga 190

<210> 33744

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700892202H1

<400> 33744

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ccagaaatgc cctctatttc ttttcaaatt cctatgccag ggaggaatcg atctggtggt 120  
ctctaccctt ggggatggag gcaaagagca ataataccac agcacaccgt gcgaaactct 180  
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tgtatgaaaa tgtgaaacgt ttgaac 266

<210> 33745

<211> 264

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700892203H1

<400> 33745

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 aagctccaga aactttttaa ggaaatttgg tagagtggat tcaacagcaa tctagcaatg 120  
 caaaactcca tgaagtcatt gatgaatcac tagttgggaa ggggtgtagac caggagcttt 180  
 tccaattttct gaaggttgca agcaactgtg ttacagcaat gccaaaggag aggcctacca 240  
 tgtttgaagt ataccagttt ctaa 264

<210> 33746  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892204H1

<400> 33746

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 aatcagtgac ttccacatct tctggttaaca atttatctga caatattggt aaatcttctt 180  
 ttagttactt aaaaagaagt tataagccaa cctcatgttg cccagttgtc aaaacacctt 240  
 caagggttgc ttcaagacat aaagctg 267

<210> 33747  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892205H1

<400> 33747

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 ggagcaggaa ctgtccaaga acttgaggga cttaattcct acgtcactgg atcttccgat 120  
 tccaaattgg cactcatcct ggtttctgat gtttttgggt atgaagcacc aaaactaagg 180  
 aaacttgagg acaaagtagc agcagctgga ttcttggttg ttgttctga tcttctgat 240

ggtgattaca ttgttgacct taat

264

<210> 33748  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892206H1  
 <400> 33748

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 aatgtcgttc gtgctgttct ggacatttgc ctatgacatt gttcatatat tttgatggac 120  
 ggaatgtgca aatgtttcaa gtgaaggtta ttttgacatc cgttgcttct gttgatcctt 180  
 gccagaatgc agttacatcc accagttacc agatagcttt cataatgttc ccgtttttaa 240  
 actattgaga ttactatca gaatt 265

<210> 33749  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892207H1  
 <400> 33749

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 aatattttga ttattggtct tgtattgaca aatgtgttgc accgaagcta ttcaccaaac 120  
 tgaagtaatg gagaaggatt tgatggctta ttatcgttgc attctgttct gttttcattc 180  
 ccagataact tcgtctaaac attcaatgtt ataataacca aactatatgt cctgtatgga 240  
 taatattgtg ttactgtga agttttg 267

<210> 33750  
 <211> 140  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892208H1  
 <400> 33750

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ataaagtcac ataccgtgac tttaaaacgt caaatatcct actcgataca aactataatg 120  
ccaaactttc tgattttggg 140

<210> 33751  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892210H1

<400> 33751

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ggtggaggaa aagctgaaaa attggccctt gcaaagtata gacagggttat ttggcaaggg 180  
agggttctta attcccaatt cactgatgaa gagttgagga gtcaaggccg ttgccctatg 240  
acaccggaag aggttggatt gtt 263

<210> 33752  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892211H1

<400> 33752

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aattttgatt ttaccatcga tatacgacac aacatcgcaa tttctcgcg gtcgttttga 120  
taactggcga aatcgacga taccgacagc gtcgtgcggt aatacgacac atttgttgtt 180  
tgatcatgtt agccaagaga ttaagctctt tcttcaaact ctccccaaaa cctcagattt 240  
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<223> Clone ID: 700892213H1

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 ggcgaaagcc atgacgctcc tcaaaatcag aggaaaattc cgcttgcac ctcctatgcta 180  
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<223> Clone ID: 700892214H1

<400> 33754

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 atttgtcaca aataccccct acaaaaagac ggcacgtaca gaatgaggag agtgcattggg 180  
 gacaaactag ggactttctt ggtgttggtg gtgccaacca ttgcccacc ttcatcaacc 240  
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<223> Clone ID: 700892217H1

<400> 33755

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 ctgcggaggc tgaaagatgt acccagactt gagctacact gagtcaacca cacaccgaga 180  
 ctttggtcat gggcg 195

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<223> Clone ID: 700892218H1

<400> 33756

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<210> 33757

<211> 89

<212> DNA

<213> Glycine max

<223> Clone ID: 700892219H1

<400> 33757

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atTTTTTACAA ttaaggagga aatagggtt 89

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<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700892220H1

<400> 33758

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gectggcgtc tctgcctcca ccgaaccctt ccggaactgt gtacagcgct tcctctctca 180

ccatgcgcgc atcactttcc ctccctcgct ctttccttca ctcatgacgt ctcatatctt 240

gttccgtgtc ggagacctcc ttgacgctcc 270

<210> 33759

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700892222H1

<400> 33759

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 ggcgcaagag cagcagtgtg ggagaacttt aaggacaatc tgctgtttga catctccact 180  
 gagcatccaa ccacttacta cgaggacatg caaagagccg tgttttgtct gtgcccactt 240  
 ggatgggccc cttggag 257

<210> 33760  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892223H1  
 <400> 33760

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 tcagaatcat cgttttctga actccaattg ataccaag 158

<210> 33761  
 <211> 240  
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 <213> Glycine max  
 <223> Clone ID: 700892185H1  
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 tgcgcaagtt gaacgccatc agaaatcggc ttcagctaata caacaagcct cctgttaaga 180  
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<210> 33762  
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 cttgagacct aactggcctt tgagggtctt aaatctctgg ttgatgttgg tggaggaact 180  
 ggagccgtag tcaacatgat tgtctcaaag tatcccacta tcaagggcat taattttgat 240  
 ttgc 244

<210> 33763  
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 <223> Clone ID: 700892147H1  
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 aaccttcttt tcctttctct tcttctctct tcaagttcaa acccacatcc atcaaatgcg 180  
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<210> 33764  
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 <223> Clone ID: 700892148H1  
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 atgtggatga tgggtatggc cagagatttg agagggtcc tcctctctct cctctctccc 180  
 atctaagtta ccgtgaagga cgccccgag attatgatgc tctgtctggc tcaaacggtt 240  
 cttatgctg 249

<210> 33765  
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<223> Clone ID: 700892150H1

<400> 33765

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ttggcctggt ctttcataga tctgatgcat ggaggctcag atctactgta cagaggtgtg 180
cgattcatgt tcgtctctct tttggaatct gtttcgtaga aagtcgtttg gtcttccatg 240
tcgcat 246
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<210> 33766

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700892151H1

<400> 33766

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ggaatcgatt tgggaacgac gtactcttgc gtcggcgtgt ggcaacacga tcgtgttgaa 180
atcatagcca acgatcaggg taacagaact accccatcct acgtggcttt caccgacaca 240
gaa 243
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<210> 33767

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700892152H1

<400> 33767

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atgctgcagc caggggcaag aactgtgagg tctttaagct cctgcttcat tctgctcttt 180
caagaaagga gtgccttggt ggcagtgaag cagaattgga agagaagttg gatgaagggt 240
c 241
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<210> 33768  
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<223> Clone ID: 700892153H1

<400> 33768

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 gataatgtat attgaaatgg attgcatcta tgaaaacttt tgtggggttg cttttcactg 180  
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<210> 33769  
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<223> Clone ID: 700892155H1

<400> 33769

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 acactctgat ttctcaactg ggtatctcga agatgctttg attgaatcat gtgagcgttc 180  
 aaaacgtaga cgtgtgttgc catgtgctac tgatgaacat agcaagagtt tcattgatga 240  
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<210> 33770  
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 <213> Glycine max

<223> Clone ID: 700892156H1

<400> 33770

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gcacctacga atacttctcc gcagagaggc caatctctcg tggtagcacc ccgagaagga 180  
 ggaaatctcg cgctcccaaa gctcccttcg gtggccgaaa ccatagcgaa ctcgatccct 240  
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<210> 33771  
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 <213> Glycine max  
 <223> Clone ID: 700892158H1  
 <400> 33771

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 ccgttgattt cgtgacaaat gaacggtggc gatgaggtcg tggcagctcc ggcgggtcgc 180  
 cgcacctct ggagtggaaa ttttcgcagg ttttcggaga acgcacg 227

<210> 33772  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892159H1  
 <400> 33772

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 tgtgttgatg gaaaaagcgt tttatgtgaa tgggtggaac tttactggc taatggttca 180  
 gtcggtggat gtttattcga gatccaaggt tcgagaaatg atgaaaaccg gtgctaagat 240  
 gg 242

<210> 33773  
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 <223> Clone ID: 700892162H1  
 <400> 33773

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gcgataagga tactgttact gatgcggaga aagacatact gaaggaatag gggaaacttta 180  
tcacaaaatg ttggagctac agtgactgga gaggaaatgc tgat 224

<210> 33774  
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<213> Glycine max

<223> Clone ID: 700892163H1

<400> 33774

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gtgtgctatt gtcataagtt ttcagttaat tactaactca aaagtttggt ttgtttgtgt 180  
gtttggagta tgatgtcgcc gccggcggtg gtaacggagg aggaggggag gac 233

<210> 33775  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892165H1

<400> 33775

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tagacctgtt gttgtgctgg agaagaacaa tgttgtacct gagcataatg agcattttca 180  
gggtctactat aagttcaaca gtctttctat gctcaggag cctttgatgt tgattttctgg 240  
ct 242

<210> 33776  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700892166H1

<400> 33776

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aaggaggaga gcaggggcaa tgaggaccac gtggccatta taaaggagta caggggcaaa 180  
ttgaggctga actcagcaag atctgtgatg ggattttgaa cctccttgag tccaacctca 240  
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<210> 33777

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700892168H1

<400> 33777

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tctgagttag tgagcgatca tgtgtggtgg tgcgattatc tccgacttca ttccagcggg 180  
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<210> 33778

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700892171H1

<400> 33778

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ttttgctttt attccgaatg gattgttagc agttccttcc accgtccccc cattcctttg 180  
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cat 243

<210> 33779

<211> 74

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<212> DNA  
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<223> Clone ID: 700892172H1

<400> 33779

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<212> DNA  
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<223> Clone ID: 700892173H1

<400> 33780

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tctacactaa aattttatttt tattgatcta atttttacaa ctgtgtttta gaaaccgaaa 180  
aaagaagaga gaaataactg gcccgggtatt ctattatttt gcatacctgc tctttc 236

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<223> Clone ID: 700892175H1

<400> 33781

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<210> 33782  
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<223> Clone ID: 700892176H1

<400> 33782

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 ccaagctgag cgtggaggcc caggtgtggc aggctaaggc cggggcccaa gaggctacgg 180  
 cagtctccct ccagaccaaa ctgcagcaga cgatactgtc ccacggcggc gaagatcct 239

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 aagtactctg ttgacttgag ttacgttgag aagacaatca tagagactct agtgttgggt 180  
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<210> 33784  
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 <223> Clone ID: 700892179H1  
 <400> 33784

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<210> 33785  
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 <223> Clone ID: 700892180H1  
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gt 242

<210> 33786  
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<223> Clone ID: 700892142H1

<400> 33786

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aattgatggc tccccaagga tgggtccgac gtttggggcg atgatgatat cagggcagaa 180  
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gttg 244

<210> 33787  
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<223> Clone ID: 700892181H1

<400> 33787

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<210> 33788  
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<223> Clone ID: 700892182H1

<400> 33788

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aatgttttg t 131

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<223> Clone ID: 700892183H1  
<400> 33789

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caagcaagta gtccaaatgc taaccgggtc ctcggagaca gcaaagcaag ccgccgcgcc 180  
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<210> 33790  
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<213> Glycine max  
<223> Clone ID: 700892184H1  
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actagctctt caaaaaaatg gttttgcct tccttgttac tctgactctt ccaaggttgc 180  
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<210> 33791  
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<223> Clone ID: 700892094H1  
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gacacgggca agattatctc aaaagcttct atagattaaa aaaaagattg g 171

<210> 33792  
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<213> Glycine max

<223> Clone ID: 700892096H1

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aaaggcc 67

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<212> DNA  
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<223> Clone ID: 700892101H1

<400> 33793

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cagatgaaga taggattgaa tcgtttttgt ctgaagttaa gggtaaggat atagttgagc 180  
ttattgctgc cgtagggaaa agttggccac ggttccttct ggtgggtggtg gtgccgttgc 240  
cgtcgccgca gctcct 256

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<223> Clone ID: 700892102H1

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<223> Clone ID: 700892103H1

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 aaccatctaa caaatcattc agccagctga aactttctca cccagagcat gtattgggtca 180  
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<223> unsure at all n locations  
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 tatatggaac tttcctcagc ccttgagaag atgttcagct gctttaccat tggtncaatg 180  
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<210> 33797  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892107H1

<400> 33797

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 atttgaagtt gcggatgcag ttggctacag tggcaacagg atttggggat gtcattgatg 120  
 catgtacaga agaaatggat aaggctcgctg acaatgcagc accactagtt ctgaggaagg 180  
 gtcattggtg agcttacctc cctttaatgt gaaagtttct actgtagatc atcataatga 240  
 ttggataat 249

<210> 33798  
 <211> 71  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892108H1

<400> 33798

tcgaacccgc tcgtaggcca ttgtatcagt ccagtctgct accatcattc cagattcagc 60  
 tcgtgtgaag g 71

<210> 33799  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892111H1

<400> 33799

gcttgctcgt ttggttatgg acaaatcccc gcattcctac ctgccttct cgggcgccga 60  
 agaatttgct aggcaacagg gtgtggaggt tgtggacaac gagtacttta tcacacctga 120  
 caacgttggc atgctcaagc tggcaaagga agcaaacaca atcctgtttg attacccaat 180  
 cccaacatcg gggtagcaga cgtgcggatc cgggtgtggag agtccactgc aaatgaatgg 240  
 actcccaata a 251

<210> 33800  
 <211> 104  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892114H1

<400> 33800

ctgctcgagg ttctagatcg cgggcggccg ctcgcgatct agaaccggct cgagccacaa 60  
tacctaagtc tatatctatc ggtgtagtgt ggggagaaag gtag 104

<210> 33801  
<211> 132  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892115H1  
  
<400> 33801

atgcatctcg agccgaatca gctcgacaaa gttttcttct gatgtcagtc actcatgggt 60  
ctacacgagt gatggggact tttaggtatt tggctccaga ctatgcttct agtggacaa 120  
tgacagacaa at 132

<210> 33802  
<211> 51  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892116H1  
  
<400> 33802

cagaccctgg aacagtgctt gtctccaaaa gtgttgatcg atgaaggctt t 51

<210> 33803  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892118H1  
  
<400> 33803

tggctgggca gtggtataca gcatcctcag ggctgccctc cctttttgag gattctaaaa 60  
tcaaaagtgc tcttcggaag gtttatgatt tcaatgtaat gaaagttaaa ggaggcagaa 120  
tggtgtgctgt aaatggcatg catcccaatg gtaagggtga tgagacctgt atgcagtctc 180  
gagaatatgg acaggtgtga cctatggtct tgctgtaca atgatacacg cggaatgga 240  
agaagaggc 249

<210> 33804

<211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892119H1

<400> 33804

gcaagaatgg cacttcgttg cttggtgatg tccctttctg ttctcttcac tcttggtctt 60  
 gcgagagaaa gccatgccag agacgaagat ttttgccatg ctgtttggcc aaacactccc 120  
 attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga aatcgatgat 180  
 cacctatgca aattgaagaa acacagtacc cgaaaacctt cttctataaa gaagaccttc 240  
 atccag 246

<210> 33805  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892120H1

<400> 33805

aaaaaacctg gagatccaca cgagtttgag cattgagatt tgggtgcgcg gtttttggtg 60  
 tgatatataa gttgatagtt ggaacattag tcttggtatg ataaagacct tgccaataat 120  
 ttgagttctg attcacagag ctaggacagt tatgtcttaa gactttgaaa ggtgtttaat 180  
 gatatttagc tttaataactt gaagcctact tacagtttat ttccaatttt atgggctatc 240  
 cccaaa 246

<210> 33806  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892121H1

<400> 33806

gttgggacgt ggattatata aattgtgggg agctggtgca atttcttgac cttgttctac 60  
 attgtctttg ttttgttgca tacggttcct gtcacttatg acaagtatga ggataagata 120  
 gaccctctgg cagagaaggc actcatcgag ttcaagaagc agtatgctgt gtttgacgaa 180

aagtcttgaa taagatcccc aaaggcccat tgaaagggaa gaagtttagct tagtggttaa 240  
gcattt 246

<210> 33807  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892122H1  
  
<400> 33807

ctcgagccgc tgccagtctt aggatccaac atgtctcaaa cactaagctg cagaacacta 60  
cacccaatgg actcaacttt gatgaagtca atgtcccaca atccaaaaaa gtcctattct 120  
accgcattca caaggcactt tgccaaaaaa tctgggtttt tgatcaagat catggcttct 180  
gctacaccta cagcagctgc tatcaccttt ggattcaaga atttgttga aacattcact 240  
gttgatgt 248

<210> 33808  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892124H1  
  
<400> 33808

gtactggcct ataacaaata gtcctaagga gggtatgttc ctgagtgagt tggaagaagt 60  
cttagaagca actcaacccc cagaattcca gcgctgtatg gtgccattat ttcgtcgcat 120  
tgcacgttgt ttgaatagcc ctcattttca ggtggcagaa agagccttgt tcttgtggaa 180  
caatgatcac atcatgaact tgatcaaaca aaaccgaaaa gtgataatgc ccatcatctt 240  
ccctgcattg 250

<210> 33809  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700892126H1  
  
<400> 33809



aaaaaaatgg gttcttcttc ttccatatgg accgtgtggt tgattttggc atcactggcc 60  
tctgcagcac tctgtgccaa cctcgtaga ccagtggatg tacaatttgg ccgaaactac 120  
gtgcccacat gggcctttga tcacatcaaa tacttcaatg gaggttctga cattcagctt 180  
catcttgaca agtacactgg tactggcttc cagtccaaag ggtcatactt gtttggtcac 240  
ttcagca 247

<210> 33810  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892128H1

<400> 33810

gcgcaggctg cggagatcat cgcgggaaaa tgggtgaaaa tatggattga ttttggcgcg 60  
gttttatctg caattgggct ttctgaggcc caattgagca gcagcgcgta tcagatcctc 120  
ggcatggcgg agatcgggat attaccgaag cttttcgggtg ttcggtctaa gtggttccac 180  
acgcgtgggt ggggattttg gtttctacca taataccgat tgggtgtgctg tacatggact 240  
tcaccg 246

<210> 33811  
<211> 164  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892129H1

<400> 33811

atcaatacct tagagaaaac aaaagcacag aatcgagaga agagttcttt tttgagagag 60  
attgggatgg cttcgacgaa taagatcaca ctgaagagtt cggacggcga ggccttcgag 120  
agtggaagag gacggtggcg agtggagatc ccagcacgag tcaa 164

<210> 33812  
<211> 205  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892130H1

<400> 33812  
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 gtatggaata tttcctttca tatagcaagc cttgctacaa ttttcttggg aaaaggtgca 120  
 tacgtgcata gttaggagag atcttctttg ttgtctccag tatcaaatag taaactagct 180  
 actcttttaa tgagtatatatt gtata 205

<210> 33813  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700892131H1

<400> 33813  
 acgtaagtcg gaatttggtt cnagctcgag cgtttctaaa gtttcacttg aggtgcttgc 60  
 ttttgctgct atttctttgg ggtagatcta tgggtgggttc ttgcaatgaa gaaattgctc 120  
 aagcaattat atatacacta atggaccgga gtgagtcaga gttgggagag ccccttacac 180  
 gacttttacc tctcggtctt ggtcttctat atcttggaag gcaggacatt gttgaggcaa 240  
 cttccgaagt ttcaaagatt ttcaatg 267

<210> 33814  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892132H1

<400> 33814  
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 ctttactcac cattgaggag ggtatctttg aggtgaaagc cactgctggt gacacccatc 120  
 ttggaggatga agattttgat aacaggatgg tgaaccactt tgttcaagag ttcaagatga 180  
 agaacagaag gacattagt gaaaccccag agcacttaga aggttgagga ctgcttgtga 240  
 gagggcca 248

<210> 33815  
 <211> 234

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700892093H1

<400> 33815

ggatcgagcc gaatcggctc gagcagattc gtggggtttg tctgtgagct ttctcagcat 60  
 aataacttgct accaatagtt ggaaatgcag ctgaacatgc aggagcaatc atatttgctt 120  
 tcaagaacaa gctggacatt tcattgggtg ttgcattggg ttcagcaact cagattgccca 180  
 tgtttgtggt ccattatgt gaaaccgttc cttggataat gggatcgcg atgg 234

<210> 33816  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892134H1

<400> 33816

gcagaacgtc tggcagagct tgctgctgat ctaggctttg atgggtggct aataaatatg 60  
 gagagtaaat ttggatctcg gtcaaatttc taatttgaaa gagttttag agcacttattc 120  
 gttgagaatg cattcttctg tgccctggatc attagtata tggtatgaca gtgttacact 180  
 tgatggtaaa ttgaattggc aagatcaact aaatgagcat aataagccct tctgtgatat 240  
 atgtgatgg 249

<210> 33817  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892135H1

<400> 33817

ggcggcataa ccattccttg accagatgat tctgcctttt ccaacctcaa agcaggcttc 60  
 ctcaactccc taaacgaagg ccagaaaatc gaacttgtgc agttccacat attgcccagag 120  
 tttgtgtcca gctcaaactt tgattctcta agcaaccctg tgcagacagt ggccggtaaa 180  
 gatccgcaag gcttccattg aacgtgaatg cattaggaaa cagtgtcaac atttcaaccg 240  
 gggtcgt 247

<210> 33818  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892136H1

<400> 33818

agtttcagct ttgagttctt tgaagaaaca taatgactca tcaacatttt ctcgaaaaaa 60  
 tataactttac cttaaccgac atcaaacaga ggagtggaaa ggatggatgc aggtcctctt 120  
 tttaatgtat cattattttg ctgcaacgga gatatacaat gcaatacgtg ttttcattgc 180  
 tgcataatgtt tggatgactg gatttggaaa cttctcctat tattatatca gaaaagattt 240  
 tagcctt 247

<210> 33819  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892137H1

<400> 33819

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 ttctctcacc tgaaaatgtc ttgctgcggt ggtaactgtg gttgcggaag ctctgcaag 120  
 tgccggaacg gctgcggagg ctgcaagatg taccagact tgagctacac tgagtcaacc 180  
 ccaccgagac cttggatcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa 240  
 tggg 244

<210> 33820  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892057H1

<400> 33820

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 ccttcaccaa ccaagaatgc tgctaactta tcaattacat tatcaaagtt tgtgccttat 120

aggaccgaaa tagaatggta caaagcttgg tgtcaccagc aagttgatca aatgggatac 180  
tacgacttat tcaagaggag aaggagcact tcaaaaatgg gctatgaagt caacatg 237

<210> 33821  
<211> 170  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892058H1

<400> 33821

gcttcaaact tcacaagccc tgaagctgaa attttaagct tccatgaaag agcatgttgt 60  
aaagagaatt gcagacgcga catgtcatgc aagtgccttag tttcaatttc agcttggaat 120  
tcagtgaact tcaagttcaa tgagcaagtg cgtaatactt caatgcactc 170

<210> 33822  
<211> 178  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892059H1

<400> 33822

gtttgtctga ttggaactac aaagacccca cgcgtctctt aaccctaatt cagtacttga 60  
gggatcaata tgtgctttat cagaggaagc gcgtcggaga agttgacgac gaccggttga 120  
cattcgaaat cagtactatc ttgtccaggg agggaaataga aatgcatatg agttctgg 178

<210> 33823  
<211> 164  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892060H1

<400> 33823

gtgtcttaga agcccttcta caaagttgca gttcattgac tggttctcat ccatatgaac 60  
ctgggtcatt ggagaatgga attggtggaa ctgaagaaaa gttgcttgct ccacaaacct 120  
cattcaaggc ccgcagtggc cctctgcggt atgggttttg atcg 164

<210> 33824  
 <211> 69  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892061H1

<400> 33824

ctcgagccgc gataaacaat tggtatacaa aaggttatct agtgagaaat ttctaacaaa 60  
 tgtataatt 69

<210> 33825  
 <211> 174  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892062H1

<400> 33825

taaaccctag cccctcttct cttcattctt cactcaggaa acaagcataa tggccttctg 60  
 taataagggtt ggaaatgtct tgaggcaggg tgctgctcgc agcacacaag cacctgtttc 120  
 atccatgctt aattacattc gctgcatgtc ttcaagcaag cttttaattg gagg 174

<210> 33826  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892063H1

<400> 33826

caagttgaaa aagaaagtag aagagtctcc accatgggtg aagaacttgc taagctttgt 60  
 tgaacttcca ccgactgaag ttatccttag aagattgttt ctctttggct tcatgggtgg 120  
 ctggagtatt atgaattctg ctgaaactgg acctgctttt caggtggaaa tctcttgggc 180  
 tg 182

<210> 33827  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892065H1

<400> 33827

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 aagttctggc actcttaaag caactccttt cctaggccaa ggcaaggggtg ccaatgccaa 120  
 tgctcttagg gatgttggtt ccatgggaac tgggaagtac a 161

<210> 33828

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 700892066H1

<400> 33828

ttggtgagga tcgagaaagt gaattgtcaa acgaagatcc aaccagggca tctctagttt 60  
 ctgacttgac ttctcaaagt gcaaggtccc agttcttgca agagctaaac acaaagccac 120  
 ctgggcttac tcaagaggc 139

<210> 33829

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700892067H1

<400> 33829

ataccggaac aactcgtatc ggggttgccg aacattgtac aaatcgaact ctacgaaaac 60  
 tctctctccg ggcggttgcc acgcgccg tttacaaacc tcgccaactt agaaagattc 120  
 gatgcctcca cgaacgagtt gactgggacg attccagaag agttgtgtgg gttgaagaaa 180  
 ctcggttcgt tgaatttgta cgaaaataag ctcgagggtt ctttgccggc agactatagt 240  
 gaa 243

<210> 33830

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700892068H1

<400> 33830

gttaaaaatg agttgccaag tactttcaag gcctaccgct accaacagca ccgttggtct 60  
 tgtgtgccag ccaatctttt taggaaaatg gtcattggaga tcataattac caagaaagt 120  
 tcattgtgga agaagataca atgtgattta cagcttcttc tttgttcgga aggtcctaac 180  
 ccccataaac acgtttgtgt tttattgcat tgtattacct gcaacatttt t 231

<210> 33831  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892069H1  
 <400> 33831

ggaatgagaa gtttgatgct tcaataacaa aagactacga ttttcacctt cttaatggca 60  
 gttcagtcaa ggttcccttc atgacgagca agaagaagca gtttattatg gcttttgata 120  
 gtttcaaagt ccttggtctt ccctacaagc aaggcgaaga taagcgccaa ttcaccatgt 180  
 actttttcct tccagaaaca aaagatgggc tgtagcttt g 221

<210> 33832  
 <211> 157  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892070H1  
 <400> 33832

gtggcaagac ctatcttcta cgcataataa acgacacttt gaacgatgaa ctgttcttca 60  
 aaattgcggg gcacaagtta acagtgggtg aagcagatgc atcttacgtt aagccttttg 120  
 aaacagacac aattttcatg agcccaggcc aaaccac 157

<210> 33833  
 <211> 110  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892071H1  
 <400> 33833

aagaaacgaa gatagaatgt gcacagccct aaagacgaat taccagctta gcgacgagat 60



cggtcgcggt cgtttcggca ccattctccg ctgcttccac ccactctcca

110

<210> 33834  
<211> 174  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892072H1

<400> 33834

ataaattgca gtttgaccta gagaggccga gcgagagagc gagggagcat ggaggaggga 60  
aaattgagag agctgaagca attcatagag atatgcaagt ccaatccctc acttctccac 120  
aatccatctc tttcattctt caagacttat cttctcagcc tcggtgctcg catc 174

<210> 33835  
<211> 212  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892073H1

<400> 33835

cattttcata atcgaaattg gaagcgagga aggaaaaccc aaatcgaaaa tggcagtgat 60  
ggagaggttg aagatgttcg tcgttcaaga gccagttggt gccgcttctt gtctcatcgc 120  
tggcttcggt ctttttcttc cagcttttgt gaggcccatg ttggattcat atcaggcaac 180  
caagcaacct cccagcctg ctttaggtga cg 212

<210> 33836  
<211> 221  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892075H1

<400> 33836

aaatgagttg gtggaagggtg gcgttggaag tagacaactg agatgaaaat acaaagtttg 60  
ttgaggggtg gtgtggtggg atgaaaaatg agtgggctga aagagcacct taaactggca 120  
agagaatacg cgttggaagg gctctacgac acctccgtga tcttcttcga caacgccgtt 180  
gcacggatca acaagcacct taacagcaac agcgtggagg a 221

<210> 33837  
 <211> 209  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892076H1

<400> 33837

ataaccaatg atacgtcgtc gttttgcccc ccagaacctc tgaagaagaa gaaatggcga 60  
 gtagcagcag caacactccg aaggaaagcg ttgttgctga ctgcggaagg cgtcgaacct 120  
 cttgcggcta ttgcagatcc tctcgtcaca atagcatctc tcatgcaatg tggccatata 180  
 gccttactgt ggatgactac aaggtcttc 209

<210> 33838  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892077H1

<400> 33838

ctaaaaacct tcccttctct tctcaccccc acactcccat ctcacacacc cctcgcatcc 60  
 aacaatgtct ctcaccattc cctccaacct ctccaagccc gccgcccctcc gccccaaact 120  
 aagcccaaag ctaagggtccg ccgccacaac caccatcgtc tgcagcacca ccaacaacaa 180  
 caacaacaac aacgtgtcct ccgacctgaa ggcgttctcc gccgcgctgg ccctctcctc 240

<210> 33839  
 <211> 125  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892078H1

<400> 33839

ctctctgagc cccaatctct tgagcagcag aatcttcagg ccaagccagg taagcaagca 60  
 caacacaacc ccgaaatggc ttctgcttct gttcccatgg ctttctcgct gacctctgta 120  
 atcac 125



<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892083H1  
 <400> 33843

ggaaaaaata atttctttta ataaaagaaa actcaaaatt gaatcgataa atcgccatga 60  
 atcccaaaat cctcttcgtg ttgtctcttc ttctgaatct cgatatcaat tcgttccaaa 120  
 accctaacc taaaaccctt aaatcaacgc cgtcgcaggc tcacgtggac ctgc 174

<210> 33844  
 <211> 199  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892056H1  
 <400> 33844

aatcacttac tggaagcctt gttgtgagta agagaaaagg cttcctgcac cgagcacacc 60  
 aacttgatac ctctgattct ttctttgctt agaattccac agaatatgga atgtaatctt 120  
 ttcaatcact cccaccttt ggaattcaag ggtttgagca aggaggagga agactcattg 180  
 ctagggcaag tggaaatat 199

<210> 33845  
 <211> 174  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892085H1  
 <400> 33845

ggagagagga gatgtcgggtg gagcagaaag cagcagggaa ggaggaggag ggaaaactgc 60  
 agaagggaat tgcagagttc tacgacgagt cgtctggcat atgggagaac atttggggcg 120  
 atcacatgca ccacggcttt tatgaccgg attccaccgt ttctgtttct gatc 174

<210> 33846  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892086H1

<400> 33846

gaaaatgcaa ttggggcatg tgctcaactt gtgtttgcac ctattgatga gtccttttgc 60  
 gatgatgctc tgttgcttcc atctggtttt cgtgtcattc cgttggatcc taaatcagat 120  
 ggtccagctg caactaggac attagatttg gcatcaacaa tggaagtagg ttctggtaat 180  
 gctcgtccag ctggggaagc tgacttgaac ggctacaacc ttaggtcggt 230

<210> 33847

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700892087H1

<400> 33847

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 tgggagcgaa caagttcccc gagagacagc cgattgggac ggcgggcgag agccaagacg 120  
 acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180  
 catggtcgtt ttacagagca gggataccag agtttgt 217

<210> 33848

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 700892088H1

<400> 33848

gcctagtgat tcagctagct aagcaagttt ttggagcttc aagagttgct gccacttcga 60  
 gtactagaaa tttggaccta ttgaaaagct tgggagctga tttggctaata gactacacaa 120  
 aagagaactt tgaagatttg ccagaaaaat ttgatgtagt ttatgatcgc cattgggcaa 180  
 tgtgacgggg c 191

<210> 33849

<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: 700892089H1

<400> 33849

gatggaagtg tggctaactt ggatggaagt gccttccatt taatcggagc tccacactct 60  
tctgatcaga attcccagca gcacaagaga aagtgttctg ccagaggtga tgagggaagc 120  
ttgaaatgtg ggagcagtgc tagatgccat tgctctaag 159

<210> 33850

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700892090H1

<400> 33850

gtcacgttaa taaagctgct catgttttga gcacataagt accaacta actttaagcc 60  
gagaattttt ctagttcttt tggcttttga tgctaaatcc aaacatggtt gaagtataag 120  
catcaagagg actatataaa aa 142

<210> 33851

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700892091H1

<400> 33851

aaacgaataa aagaaagcga tagaaaagga agaagaagcg cttcgcgatg cacgaaagag 60  
aagaattgga agcaaagttt cggcgttttg tcttttataa aaaaaatggtt aaatcattat 120  
aattttctat gatagggatt ggtttcttgt cttttttctt ttgtttatga atatcggtgt 180  
attttaacag ttgtaaagca ctgcgccctc gctgcatgat catgtagttt tcaa 234

<210> 33852

<211> 173

<212> DNA

<213> Glycine max

<223> Clone ID: 700892092H1

<400> 33852

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caggatgcgt ggctgcgttt ccgcgacctg cccacaagaa agctttgaca taatctgagt 120  
 atggacaatc caaggggggtt cgcaagttta ctcagagcgt ggctttgcct gag 173

<210> 33853  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892023H1

<400> 33853

cacttaacta gtaatatatta ttagaatttg ctagagaatt agaagaataa acataatacc 60  
 ccagatggct tcaaaaactt gttcctccct tgcccttttc ctcacactca acctcgttta 120  
 cttctcactt gtctctgcat gcggttatac accatgccct ggtccaaacc caaagccaag 180  
 gcccaacccc aaccctaacc ctaaccccag cccaagtggc tcgtgcccc gtagacgact 240  
 caaa 244

<210> 33854  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892024H1

<400> 33854

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 tgaagagcta gccagttcca tacttccaag aacaaatctc ccaccacaat catgataaat 120  
 attcatactt aaccaggctt gcctcttgaa tatttctgcc tgactggga cgcaaatcat 180  
 catattccac ctctgagcag gagaataact gccaaatgcc aatcaagttg acccc 235

<210> 33855  
 <211> 190  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892025H1

<400> 33855

gccgtcgaag gcgtcgccac tctcatccaa gaagacgatg gcccgacgac agtttctgtt 60

cgcatcactg gccttactcc ggggcttcat gggtttcacc tacatgagta tggtgatacg 120  
 acaaatgggt gtattttctac gggagcacat tttaatccta ataaattgac acatgggtgct 180  
 cctgaggatg 190

<210> 33856  
 <211> 158  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892027H1  
 <400> 33856

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 caacttttat tttggcaaat tcaaataaat cacttgcaat gcaaaaattg cctctatctg 120  
 gcactgattt ggctcttcag gcaaccttta ggcttggt 158

<210> 33857  
 <211> 152  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892028H1  
 <400> 33857

aagaagtata acattgagcc aagggtcct gagttttact ttctcagaa aattgattac 60  
 ttgaaggata aggtgcagcc tacatttggt aaggaaagaa gggccatgaa gagagaatat 120  
 gaagaattta aggtgaaaat taattcttta gt 152

<210> 33858  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892029H1  
 <400> 33858

aaaccatgga cgtgggtcag atgcagagac agtggatcga ctacaccaa tccctcttcc 60  
 ttgagggtt cctggatggt cagtttctgc aacttcagca gcttcaagat gagaacaacc 120  
 ctgactttgt ggtcgaagtt gtctctctct tctttgaaga ttctgaaagg cttctcaagg 180



atctaacctt tgccttagat cagaatggtg ttgacttcaa aaaagttgat gctcatgtgc 240  
accagtta 248

<210> 33859  
<211> 178  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892030H1

<400> 33859

ccagacttcc acacgagaga aggagtctct caatctcagg gaagtcccag aagcagataa 60  
aaccttgggc ttggacatgg ccaagggcag cgcattctgc aagatgggtg aaggttggac 120  
atgcatcata actaaaactg aggggcctga tgctggcaaa gttttcgtaa aatgtggt 178

<210> 33860  
<211> 189  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892031H1

<400> 33860

gcctcgccga ctcggttgct atcagcgagt gagagtgagt gagtggttct cttgcagcaa 60  
caaggttttag tgacaccaaaa cagacgggaa atgggtcgtg gggtcagtgc tgggtggtgga 120  
cagagttcct tggattatct ctttggcagt ggggtacctg ccagcagtgc aaatgggtgct 180  
cgactcaa 189

<210> 33861  
<211> 211  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892032H1

<400> 33861

gtcaaggtga cgaaggtttg cacgctcgag cttttcacgc cgaagcgctt cgagtccctc 60  
aggccatta gggaggacga ggtcaccacc attggtgagt ccgtttacaa tcaactgcacc 120  
accactggaa atttagggaa agcaatattg gtgaggaagc acttgggggtc tgtggcattc 180

aacaacatca ccaggttggc atttgga aaa a

211

<210> 33862  
<211> 209  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892033H1

<400> 33862

actaaccaac tttctgctgg tggcagtagt atagtgactg gagcagggtgg tgcagggcag 60  
tctgtaatta cagatgatgt tccatctcgc tccacctcac cttctacaaa taactgtacc 120  
aatgcacttc cacaattgat aaattcacga ttcccagaaa gcacaatggg aggggatgac 180  
atggcgact ctgctgccac aatcttgag 209

<210> 33863  
<211> 126  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892034H1

<400> 33863

ggataacatg ttccatatga tctcaaaatg aggttaggcc actgaattgt ttggtttaaa 60  
gtggcagtat ggaatttata ctgtctagca attgaccatg ggcaacattg gcaaaacccc 120  
catttc 126

<210> 33864  
<211> 167  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700892035H1

<400> 33864

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ggtcctggtt ctgcacttg ccgagtgtgt gggaatccac atggattgat caggaagtat 120  
ggccttatgt gctgcaggca gtgcttccgt agcaatgcc aggaaat 167

<210> 33865  
 <211> 175  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892036H1

<400> 33865

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 agatccacga caccgggctg agtctaaaag tggaccaa at gatccaattt tgaagggtgc 120  
 tttagatcat ggcaaggctt ttggcatcat aaagccacat gaccgatttg ttgtc 175

<210> 33866  
 <211> 175  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892037H1

<400> 33866

gaagcttgga gtccatatct tcttgacagt aattcaatat ccagcttgta cttaggaact 60  
 gattgttgct tgtacaaccg tgaatcactc tcttcttagg gattgttttt ctgatgtctc 120  
 gatgagaatg tgtaatgtta gaagaacaac tttatgtttt ggagggagtt attct 175

<210> 33867  
 <211> 200  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892038H1

<400> 33867

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 ctcggcgggtg gggaagtcgc agatactagc tcggtttgcg aggaacgagt tcagcttgga 120  
 ctccaagtcc accatcggtg ttgaatttca gacaaggacc ttggtcatag atcacaagac 180  
 cgttaaggct cagatctggg 200

<210> 33868  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892039H1

<400> 33868

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 cttcttctgac atgaccatcg gcggtcaacc tgccggccgc atcgtgatgg agctctacgc 120  
 cgacgtgact ccgagcaccg ccgagaactt ccgcgcgctc tgcaccggcg agaagggcg 180  
 cggggcggagc ggcaagcccc tccactacaa aggtctgtcc ttccaccgcg tgatcccgaa 240  
 ct 242

<210> 33869

<211> 161

<212> DNA

<213> Glycine max

<223> Clone ID: 700892040H1

<400> 33869

aaaatctctt catttttctc tctttgttac attttcatta tgggtgaccaa gatatgatct 60  
 gttatcaata tatattcaat gacatacaca gtcccgagtg ctaaacctga gtttaaagct 120  
 tcagatcaca acagatccac cattcacctc accactttct c 161

<210> 33870

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700892041H1

<400> 33870

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 aacgtccatt caacgatcac actcacctc ctgctgctcg cttgccc aaa tcgcttatcg 120  
 ctcttcaaca cccaaacgct tcttctttct cgccccatcc ccgtccatgc gattcaagaa 180  
 tgacattgcc tgtaatgaag tttag 205

<210> 33871

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700892042H1

<400> 33871

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tagcttttaa taatgccttc ctccggcatt acttggtctg catattacaa atacttgcaa 120  
gaagacaccc aactcttcat gggattccca gagaaaatag aatgctgcat atgagtctta 180  
cagaagctag taactatcaa aagaacatgc ttgctcttga ttcagaaagc aaacctttgg 240  
at 242

<210> 33872

<211> 205

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700892043H1

<400> 33872

aagcgcaggn agtagaaagg gaaaagaaga taatatggtg gtagtttaag ataatggtaa 60  
tctatggccc aagtttatcg gtgtactgtg ggtcgtgggt acgagatggt gagagcaatt 120  
ggcaagatag gtgcagccct cagaaattga gtgggtcttg gagagaagc atcacctgca 180  
aattcgagag tgtgagactc agtag 205

<210> 33873

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700892044H1

<400> 33873

ggacagtatc tcgaacaaga ttgtctagaa aagaggatag tcgtggatga aatccttcac 60  
tcacaaccaa agttcgaatc cccgtccgaa gaggtgccta tatttagtgc ccggcagagc 120  
ttcgaaaaag attgccccca caggaagata ctagtggaga accaaataaa ctgggatgaa 180  
aaccagttg aggaggttga aaaaggtgga agcccctatc tccattgtag aagtc 235

<210> 33874

<211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892045H1

<400> 33874

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 tgagctgttg gcaaaaggga cagggaaatc aaaggaagaa attgctaaag atgtccagag 120  
 gcctaagtat cttcaagcac aggatgctat agactatgga attgccgaca aaataattga 180  
 ttcaagttca agggatgttg catttgagaa gaggaattat gat 223

<210> 33875  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892046H1

<400> 33875

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 aaatctctag gcagggatgt ttagtctgta ctcgataatg aacatggatt attgttaatg 120  
 tagcttagtt tctcagaatc ttatttgtgc ttatgttctg aatttcgaac tagctttata 180  
 tttttatgct tgatattgtg cttaaaaaag aatcgacact tg 222

<210> 33876  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892022H1

<400> 33876

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 cgagaaatcc ttttctctcc tctctctcct tccaagggtt cttgctgtct acaaggaagt 120  
 tattgctgac cttaaggcag ctggtgcttc atggattcaa tttgatgagc ctacccttgt 180  
 cttggacctt gaatctcaca agttgcaagc tttcactgac gcatatgcag aacttgcac 239

<210> 33877

<211> 173  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892047H1

<400> 33877

gtgctctctc gctccttcac cttctactcc ccaaactcga taccctactt actgaacttt 60  
 gttaaagtgc ataaatttca caaaattttt cgactttctt tgcttcaaaa tctacttcct 120  
 tcaaaatcta cttcctctcc tatcactaac cgtttcaatt ttgatttttg ggc 173

<210> 33878  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892048H1

<400> 33878

attttcacaa aaaggggttt aaccagccaa ccaattaaca atcttcctt tgggtaaggg 60  
 gaggcaatat ctaactactg tttttttatc ctgtaaattc aaagaggcta aactatggga 120  
 gttta 125

<210> 33879  
 <211> 146  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892049H1

<400> 33879

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 tttctacctt tctccgatcc caatccctaa tctttctctc ttcaagctct agttttttaa 120  
 tgtggggaga tcggctgacg aatggg 146

<210> 33880  
 <211> 164  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892050H1

<400> 33880

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 ttccctctcca aaattggcca aagaggtaat gaaagacaat gaccttgagt gctgtggacg 120  
 acctaaatta ttggggccaac agaaactaac ctataatggg ttaa 164

<210> 33881

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 700892051H1

<400> 33881

gccaggtatg atgaaattgt gaaggaagtt tcttcctatt tgaagaaagt aggatacaac 60  
 cctgacaaga ttcccttttgt tcctatatct ggttttgagg gagacaacat gattgagagg 120  
 tccacaaacc ttgactggta caagggccct actctgctag atgcacttga ccagatctct 180  
 gagccaaaga g 191

<210> 33882

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700892053H1

<400> 33882

cgggtgcgcgg cagcaacatc cacgggaggg ctgatgaaca aaatgaccgg gcgcacgcgt 60  
 gattcgccgc tgatagggcg cgggacctac gcgtgcgacg tgtgcggcgt atcgtgcacg 120  
 ggtgaaggcg aggcaatcat acgtggaacg ctggcgcggtg aggt 164

<210> 33883

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700892054H1

<400> 33883

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tggagtgttc ttctacttgc aggattctta cacagcacag ttatttcctc tcataaagtt 120  
 accgcgggat aagtgcagcc ttcttcccca tcgccacttc tggatatcca gcaaacgtat 180  
 tgtgacccca caagggatca tttctgggtc agtggagata aatgatggga a 231

<210> 33884  
 <211> 152  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700892055H1  
 <400> 33884

accaatttag gttctcttaa aacaaaggcc cctcaaacca ctttccccac actcttttag 60  
 tgtgtcgtat ttttctctct ctttctccac aattaggtct tggaccgacc cttttgtgta 120  
 agtgcaatgg ccatggctaa gcttgatatgt gt 152

<210> 33885  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891982H1  
 <400> 33885

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 ccgtacaaac aaactgctcg taagtcaact ggaggaaaag ctcccaggaa gcagcttgca 120  
 accaaggctg cacgtaagtc tgcaccaaca actggtgggtg tgaagaagcc tcatcgttat 180  
 cgccctggaa ctgttgctct tcgtgagatt aggaaatacc agaagagcac tgagctccta 240  
 atc 243

<210> 33886  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891983H1  
 <400> 33886

tgctgaaacc tcatccaaga gcaacaacaa actactccac cccaacttg atcttcaact 60

ctccacccca ccaccaccaa caacacatca aatgttgcaa accgtattga tgctgcaata 120  
 tcacctaaga gggatcatca tcatcatcat gagaaccatt caaccattt gcaactctca 180  
 attgggtcat cagatatgag tgagaagaac gaatcaaaca ggaactcatc agagaagagc 240  
 a 241

<210> 33887  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891984H1

<400> 33887

gccaaaccct tctggccact gctattggag gcaaagttgg tgctgctgct gttactgtta 60  
 gtcctagaga ctcatgtgg tagctgctgc tgcaccaaag aagtcatggc tccttgggtg 120  
 cagaggtggg ggcaacctcg tcgaccaga atggcttgat ggatcgctac caggtgacta 180  
 tggctttgac ccactaggcc ttgggaagga cccagcattc ctcaaattgg acagagaag 239

<210> 33888  
 <211> 225  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891985H1

<400> 33888

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 ggaggcactg gcactgaaga agtgctcatc aggaagagag gtttctctga gactgaaact 120  
 gaaactgagg aggatgagtc tgctaccact gtggatttga tgcttaatct ttcttctaag 180  
 gaagctgctg ctgctgcaga tccaactgat aagcacaaga ctttg 225

<210> 33889  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891988H1

<400> 33889

ctcttccacc tcgccttctt ctcccaatgc cttccctccg cctgggcca ctcggcgatc 60  
 ctccctccggg tcaactcgcc cgtgactcac cgcagagctg ccccgcccct gaccccaacc 120  
 tctactacaa gccagtcac ggaatcgta gccatcccgg cgacggcgcc tccggccgcc 180  
 tcagcaacgc caccggcgcc tcctacatcg ccgcctccta tgtcaaattc gttgag 236

<210> 33890  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891989H1  
 <400> 33890

ggttgcttct cttttattgt ctcgtggaga acaaacttgc ctcattcttt ctagtttctt 60  
 atgattacta atagcattta cattttatgc gaattttatt tgtttgctga atactatttg 120  
 gtgaacgtta tcacatttga ttgttatgta taatttgcag tgccctcgac cttgaggggg 180  
 tgtaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagaat 230

<210> 33891  
 <211> 96  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891990H1  
 <400> 33891

actaactaca ctggcctttt gttctcgtgt caatttctaa atccaccacc acaccctctc 60  
 ttctactctc tattcattat ctatctccta caccct 96

<210> 33892  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891992H1  
 <400> 33892

acagaacaag atcttgaagg tcatcagaaa gaacttggtt aagaagtgcc ttgagctctt 60  
 ctttgaattg cagagaacaa ggaggattac aacaagttct atgaggcttt ctccaagaac 120

ttgaagctag gtatccatga ggattcacag aacaagggaa agattgctga attgctcagg 180  
taccactcca ccaagagtgg tgatgaaatg acaagcctca aggattatgt ga 232

<210> 33893  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891993H1

<400> 33893

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ccctgacttc tgtgaagggt tcgagtgaga gcatacctgt cgggaccgca aagatgggtga 120  
actatgcctg agcggggcga agcagcagga aactctgggtg gaggcccgca gcgatactga 180  
cgtgcaaadc gttcgtctga cttgggtata ggggcgaaag actaatcgaa ccgt 234

<210> 33894  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891994H1

<400> 33894

catgaactta atcttaattct gttagctagc ttcaaagtcg ttattgggtc tcacaaaaag 60  
gagctagtag gaagtgaata ctactattat ttacctgcca cacacacaga aacatacata 120  
gatctagaag caaaggcaaa gaaggatttc aagctcaatt gtttagctta attaatttcc 180  
ttcaagcaaa tgatgattca gaagatgttt gactccaccc gttctggtat gacaagaag 239

<210> 33895  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891995H1

<400> 33895

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taaagatgag atcttcgtga aaactttgac cggtaagacc atcacccttg aggtggagtc 120

ctccgacacc atcgataacg tgaaagctaa gattcaagac aaggaaggga tcccacctga 180

ccagcagaga cttatctttg cgggtaaaca gcttgaggat ggtcgaaccc tgccgact 238

<210> 33896

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700892001H1

<400> 33896

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tcacataggt caggccggga tccaggtcgg aaactcctgc tgggaactct actgcctcga 120

acatggcatc cagcccgacg gcatgatgcc ttctgactcc accttcggtg tagcccacga 180

cgccttcaac acctttctca gcgaaaccgg atctggcaag cacgtccccc gtgctgtctt 240

cgtcgacctc ga 252

<210> 33897

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 700892002H1

<400> 33897

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cacagtctat gagacctgct agagaaagtg atattcctgt taggggttaa aattcctaca 120

accctaaagc tccgggtact ctcattg 147

<210> 33898

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700892003H1

<400> 33898

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gctacgtctt aggagatccg agctcgagag ttctcgtcga gttcgacca 109

<210> 33899  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892004H1

<400> 33899

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 cataatacag agtggttcaat tagagcataa tgggatccaa aaatgcaaat gggaagaacc 120  
 acaaggacaa aaggaacaaa tttaaggata atttgagtgc ctagttgatc gtcacccagt 180  
 gatgccaaag ttatcctcat cagtgatcct cgatattcaa aggcacacac ggatcctcgg 240  
 t 241

<210> 33900  
 <211> 185  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892005H1

<400> 33900

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 tgtggaaaag tgctagtga cgcatttctt ggcattgaaa attagaaggt gaagaggata 120  
 tacagaaacg tattcataag ctggagtcag ttggaaacct agaggctgca gttagtttat 180  
 ggctt 185

<210> 33901  
 <211> 211  
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 <213> Glycine max

<223> Clone ID: 700892006H1

<400> 33901

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 caagcccgt gctaaaacaa aggctgctgc tgccaagccc gcggcaaagc ccaaagcgaa 180

gccccccaag gcttcaagga cgtcggaacg g

211

<210> 33902

<211> 180

<212> DNA

<213> Glycine max

<223> Clone ID: 700892007H1

<400> 33902

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catcaaaatc caaggctcgt tcttgaaacc ctaattcgat atcctcctcc tcagaagaag 120

aaggatcgat gtgggcagct tcttgcttgg cgtcatgctg cgcggcctgc gcatgagacg 180

<210> 33903

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 700892008H1

<400> 33903

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ttatgcgttc attggggcaa aaccaactg aggagagct ccaggacatg atcaatgaag 120

tggatgctga tgggaatggt accattgact tcctgagtt cctaaatctc atggcaagga 180

a 181

<210> 33904

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700892009H1

<400> 33904

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ttattcggca gttatttagg aggaaactcc aatgtcattg tcctaattct tcttttaagt 120

catccattat cacaaagaaa gatggtgctg a 151

<210> 33905

<211> 207  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892010H1

<400> 33905

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 tcaattattg aaattgaata agtaacaat ttaattggat tggtcgaatg gtatcaaaaa 120  
 aatggagtac taactcccat ttcttattta ttattgaatt aaccgatcaa cttgctttgt 180  
 tatcgaacat ttcttttgat ttcaaaa 207

<210> 33906  
 <211> 145  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892011H1

<400> 33906

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 gatcacctct tgtggcatcc tgactgcaac accaacaata tgtatatacc cagtgtccag 120  
 gatctattcc taccctactg taaag 145

<210> 33907  
 <211> 80  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892012H1

<400> 33907

catctatcat tgtcaccaaa tcacgcacaa ctttacactt gtaacctgat ttcaatcaaa 60  
 gcaaatttca attcttgaac 80

<210> 33908  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891981H1



<400> 33908  
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 tttgttctcc gcatctcgcg tcgttagttc attgaactca ctgcattgag tggatttggt 120  
 ccaagttgag tttagaaatg gatggccatc atcagaagca aaaaaacaag tacagtataa 180  
 ttgttcctac atataatgag cgtctcaaca ttgggtctcat tgtttacctc atcttcaagc 240  
 acctt 245

<210> 33909  
 <211> 209  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892014H1

<400> 33909  
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 aatgcttggt ggggtggggg gaaacaatgg ctcaaccctc actgggtggtg ttattgctaa 120  
 ccgagaggggt atttcatggg caacaaagga caagattcaa caagccaatt actttgggtc 180  
 gctgaccag gcatcggcta tcagattgg 209

<210> 33910  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700892015H1

<400> 33910  
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 cgctgatttt gggttgga gtttttatga ccctcagcgc aatgttccat tgacaagccg 120  
 agtagtaact ctatgggtata gaccaccaga acttttactt ggagcgaatc attatgggg 180  
 tgcagtggat ttgtggagca ctggttgc atctggggga ctatatactg gaggcctttt 240  
 ttccc 245

<210> 33911  
 <211> 242  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700892016H1

<400> 33911

gaaggagtca aatccgttta ttcatgggtgc tggacatggt gatcccaata gggctattaa 60  
ccctggcttg gtttatgatt tggacactgg tgactatgtg gcgatcttgt gttctgttgg 120  
gtatgatgct aatcagattg cgggtttcac tagagagcct gctgctgaaa gtgtttgtga 180  
agggaaagtg gggaggactg ggaagttggc gagtcccaat gacttgaata acccaacata 240  
cg 242

<210> 33912

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700892017H1

<400> 33912

tgctcatgac ccactacgat atgttggtga tatgctaggc tggttgcac aggccttggc 60  
atctgaacgt gaacttgtag ctgtattact tgatccagat acaattaccg attctggtcg 120  
gaggaaattc tccaataact ctgagaatgg ctctgggaag acagaatcgg acttgatgt 179

<210> 33913

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 700892018H1

<400> 33913

accaaagtgt tgtacttatg cttttcaaca gcgctgagcg gttgacttgt aaggagatag 60  
agcaagctac agcaataccc atgtcagatt tgaggaggtg cc 102

<210> 33914

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700892020H1

<400> 33914

agccatttct ttcgtcttaa tttgttctct tcagccatgg cgatggtgca agatgaacga 60  
 tgcgttcaga aaagctactg gattgaacat acgacggact tgtccgtaga gtcaatgatg 120  
 ctcgattcca acgcctctga tctcgacaag gaggagagac ccgaagtttt gtccctacta 180  
 ccaccatattg aaggaaaatc agttgtagaa cttggagcag gtattgga 228

<210> 33915

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 700892021H1

<400> 33915

acgccacgct acgacgcgtc gtttcattat tattcatagt cttcctttgc atgcgccacc 60  
 atcatcaatt caattccaat gggtaatatc tgcgctcggt tgaagtcgaa gccgccgccg 120  
 caatcctcag ccaagaagcg ttcctcttc 149

<210> 33916

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891950H1

<400> 33916

ggaacaaatg gctggagtga caaaggagga agagaggggt agtcctagtt ggggtgcttc 60  
 attttttacg cagcaacaga ggatgtggct agagctgttg cactgctat gaattctcag 120  
 aggccatctg tggtatatctc attgaaaaat gatcatgggt gcagccaact tcaaaggctg 180  
 cagtatcaag ttacgaaaat gataaaagga ttttctagcc ctccagaagt taaatatata 240  
 aattaca 247

<210> 33917

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700891951H1

<400> 33917

gttcatactt gtttcttcaa tttcatttct tttattactt ttctctcttg cattccaaat 60  
ggccactgtt gagttgcaca acaaacacca acaactgtga cagaaaatga agcaaccgag 120  
gtaaccaaga ttgaggaaac taccacagaa caaccagctt cccagggtac taccaccgaa 180  
gaaccaaagg aagaaaccac caaagaagca aaagaggaag aagaagcccc agttgagact 240  
aatga 245

<210> 33918

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700891952H1

<400> 33918

cattgatatc ccctcctcct taagaggaga aaaggaagta acagaaggga gaagaacaaa 60  
cggagcatgg tttgacgaga cgcagtggat ctgtctctgc caaaagatct tcctcctcgg 120  
aagataaacc tccttcgccc aagcgccaaa aggtcgacaa tggcgggttcg tcggagaaac 180  
cggtgccgac gccggcgga aattccaagg acttatctac ttccggagccc gtgcttgatc 240  
ccgg 244

<210> 33919

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891953H1

<400> 33919

ctccctttct ctctcccaaa cccaaaaatg gcacaaaat tgaccctcat tgcgttggtt 60  
ctcgcggtgg cctgtgcgcc gttgatctaa cccatagcgc atcagcatcc tcccctcagc 120  
cgccagcgcc ctccgtggac tgcaccaacc tcgtcctcac catggccgac tgcttgctct 180  
tcgtcaccaa cggtagcacc gtcaccaagc cagagggcac atgctgctcc ggtttgaaat 240  
ctg 243

<210> 33920

<211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891954H1

<400> 33920

ataagatgaa aggagattat tatcgttatc ttgctgaatt taagtcaggc aatgagaaga 60  
 aggaagctgc tgtcagtcta tgaaagcata tgagtctgct accgctgcag cagaggctga 120  
 ttacactccc acacatccca tccgattggg tctagcttta aatttctctg ttttctatta 180  
 tgagatcttg aactcccctg aaagagcctg tcattcttgcg aacaagcttt tgatgaag 238

<210> 33921  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891956H1

<400> 33921

tgggaactta acaaaggaag aaacgcgaat tgatgatgga ggtcaccaa gacgaagctg 60  
 caaccccagg acaggaggtg ctcaacctcg caatccaaat ccaaatacaa atccaactcc 120  
 aaatccaaac cctaacccta accctcctca caccaccaga ggatctaaag gaaaatcgtg 180  
 taagggatgc acctactact catcgcttca taaagccaag tccaaaaacc ccacatgcgt 240  
 tg 242

<210> 33922  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891957H1

<400> 33922

gcctcgccga aggagagtcc gttgagttcg ccattgaatc tgaatctgac ggacgcgcga 60  
 aggctgttga ttactggcc ccgacggcgc cagctccagg gaaccagacg aggcggtgat 120  
 ggtggccgaa gctatggcgg gggacgagga ggtggtggag gtggctacgg tggaggcggt 180  
 ggctacgggtg gtggtggtgg ctacggtgga ggcggtggtt acggtggtgg tggaaga 237

<210> 33923  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891958H1

<400> 33923

gtcttggtgc tgagattggt ggcactttca tccttggtta caccgttttc tccgccaccg 60  
 atgccaaact agcgccagag actcccacgt ccccatTTTg gcacccttgc caattggggt 120  
 cgctgtgttc ttggttcaact tggcaaccat ccccatcacc ggaactggta tcaaccctgc 180  
 tcgtagtctt ggtgctgcta tcattctcaa caaggacctt ggttgggatg aaca 234

<210> 33924  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891959H1

<400> 33924

ctattacaga atgtgcaccc tgccattctc cttaggttcc tgcgggagca tagatcagaa 60  
 tgggcagnca caatatggat gcttacacag ctgctgctat taaagttggc ctttgcagct 120  
 tttcaggatc tcgtgttggg aactatggag gtcaagttat actcccccta gcacacacaa 180  
 ttgagcatga agagtttttg gaagtcatta aattggaagg agttgctcat tctcctg 237

<210> 33925  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891960H1

<400> 33925

gaagattgtg cgcgatacgt gccgttctat aggatttgtg tctggtgatg ttggccttga 60  
 tgctgacaat gcaaggtatt ggtgtacctt gagcagcaaa gtcctgacat agcacaagga 120  
 gtccatggcc acctcaccaa gcgaccagaa gacataggag ctggcgatca gggtcacatg 180  
 tttggctacg ccacagatga aacacctgag cttatgcctc tcagccatgt ccttg 235

<210> 33926  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891961H1

<400> 33926

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 tgtgcttctg ttgactcgaa agaggttagt ggaagaaaag aaaagttaat atataacttc 120  
 ctaaaagcct gtaagagttt gaaacactgc agttttcgcc taagattttt ctccattgtc 180  
 catatggata attagaattt aatggataag aacttgggac catgattgtg aaggatcat 239

<210> 33927  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891963H1

<400> 33927

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 tgctgggttt gtaagatgat tccgaccaa cccatggtgg ttgaaacttt ctctgagtac 120  
 cccccacttg gtcgctttgc tgtcagggat atgcgtcaaa ctggtgctgt gggagtcac 180  
 aagaacgtgg agaagaagga tcctactgga gccaaaggtca ccaaggctgc ccagaagaag 240  
 aagt 244

<210> 33928  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891964H1

<400> 33928

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 ttcgcgttct cgtcactgag ccgcaggcaa attggatatg ctcttgctcc tatgattgct 120  
 aggggagtga tgctgggtcc tgaccagccc gtgatcctcc acatgcttga cattcctcca 180

gcagcagagt cgttgaatgg ggttaaaatg gaattggtgg atgctgcatt ccctcttctt 240  
aaaggtg 247

<210> 33929  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891965H1

<400> 33929

gcagacttaa caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct 60  
ctttcttagt gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc 120  
tgaatcagt aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180  
cgatgcatgc ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac 240  
caacatggt 249

<210> 33930  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891966H1

<400> 33930

aatggcttcc ctggcctgtg tcaaccacct ccctccctgg ctctccctc gccccggatc 60  
cgaccccgaa ccgacttcga gttcccttta gacctccca ccaccatgct ccccgccgac 120  
cagctcttct ccgacggcaa actcctccct ctccacctca aacctctttc caccaccact 180  
cctcagaacc ccaaatacacc ttctccgct tccgttaaca ccgtcagggc ccccaccact 240  
acctct 247

<210> 33931  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891967H1

<400> 33931



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 actggtgcag gacagaagga caaaggaaag gaagagaaga gaagagaagg agaaggagaa 120  
 gggtttggtta gttggttact tagtttggtt gattaacgac ggcgcactac acgatcccca 180  
 caatccagag gcttggttatt atctccatcc atttaattta attcccacaa ccacgctcac 240  
 ctaag 245

<210> 33932  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891968H1

<400> 33932

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 gcaattacca ggttggttct cttcttcatt cagtcttga cttcttggtt ttcaagaatg 120  
 acatccaatt ttggaacaaa aataaatcta tggaaggact ctctgcaaag accggtgttg 180  
 tgagctttgc ttgtcagctt atcatcttcc tttatctact tgacaatgac acctcttgga 240  
 tg 242

<210> 33933  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891970H1

<400> 33933

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 gttattttct gtggttatgc tttggctgta tggtttggcg caaagatgat aatggaaaaa 120  
 ggatataatg ggggcacagt gattaatgtg attattgccg tgctaactgc ttcaatgtct 180  
 cttggagaag catcccctag cttgagtgc tttgctgcag gtcaggctgc agcttacaaa 240

<210> 33934  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891971H1

<400> 33934

tgcagttttt gacaaagcta ttgtattata ctccaacagc tattcttgct tctgtgatcc 60  
tctctgcccc ccaggactca ttgacgttag tgaagcttac aaaatttgga aggttgataa 120  
gatagacttt cttgcttgcg ctggggcatt ctttgagta ctgtttgctt ctgtggagat 180  
tggtctactt gttgcggtgt taatatcatt ttcaaagatc attctgatct caattcg 237

<210> 33935

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891973H1

<400> 33935

aatgcatggt ggctggccaa caaccctgca cactggaaga agccagagga gttccggcct 60  
gagaggtttt cgaggaggag tcgcttggtt aagccaatgg caatgacttt aggtaccttc 120  
cctttggtgt tggcagaaga agctgccctg gaatcattct tgcattgcca attcttgga 180  
tcactttggg acgtttgggc caaaactttg agctcttgcc tccccctggc cagtc 235

<210> 33936

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700891976H1

<400> 33936

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cttcctacag aatccaccaa ggaattatag aagagaggca cgatgtcagg ccctacgtac 120  
aagtagaagt gcgacccaat aatatccaaa cgagagacca agcgatgaat atccagtcta 180  
actattccaa gtgcttcgat gatgatggtc gcttgaagag aacaggaaca ttttgg 236

<210> 33937

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891977H1

<400> 33937

aaattagttc attctctttg cgcagttccc tacctctcct ttcaagatgc agatcttcgt 60  
 caagacccca ccggaagac catcaccctt gaggtggaaa gctctgacac catcgacaac 120  
 gtcaaggcca agatccagga caaggaagga attcccccg atcagcaacg tctcatcttc 180  
 gccggaaagc agctcgagga cggccgtacc ctgcccact acaacatcca gaaggag 237

<210> 33938

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700891978H1

<400> 33938

caagccggaa gctgccgtgt ggaaaacttc tccttcgag cctggactgg actctgtctt 60  
 tctcttcac tcaaaagggtc tccacttttg gaggcgaatg gcttatgttg ttgtgagggg 120  
 gctcttcaga atcttgcct aaagggaact tccaacatcg taatcttatt agatcaaaag 180  
 ttttcttttg caccagaggt agaatttggc tgataaggct gctttggaag gttttttg 238

<210> 33939

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700891979H1

<400> 33939

gaagacaggt tcaaaccgga gcaaaaaaac ttgttacgat ggtttcttcc gacaaggatc 60  
 cacgagagga gtccttcaag catggtacat ggatgatagt gatgaagatc aaagactccc 120  
 ccaccacaaa gaacccaagg agtttgtctc gttggaccaa cttgctgaac ttggagtcct 180  
 tagctggaaa ttagatgctg ataaccatga aaatgatcca gagctgaaaa agattcgtga 240  
 ag 242

<210> 33940

<211> 250

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891949H1

<400> 33940

aacaaatttt atctaactgg agaggaagta gcctattggt attggtgtac ctttttttcg 60  
 tgtcaccact tcaaggctga actcgtgaat tgggtagtta tttaattagt gtaaataatta 120  
 gagtgtaggt ttggctttga agaaatatta gtttgtttcg aaggaacctt atttttgtac 180  
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<210> 33941  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891980H1

<400> 33941

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 acaatagctc tgcaagactc tacaacagtc aagtttgaaa tatgggatac tgctgggtcaa 180  
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 tatg 244

<210> 33942  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891922H1

<400> 33942

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 tagcagagcg ggtgaaaaga aaacaggagg agccaaagtt gcaagactct tgctagtga 180  
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247

<210> 33943  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891923H1

<400> 33943

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 taaaaaaaaa ttcttctctt gcccaacagg taagttgtaa aaaaatggac catgacaaga 180  
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 gaagt 245

<210> 33944  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891924H1

<400> 33944

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 tcggaaatgc ttgctcggga gctctactgc ctcgagcacg gcacgcggcc cgatgggcaa 180  
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 actggt 246

<210> 33945  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891925H1

<400> 33945

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tcgacaatgg cggaacagag acgtttgctt tccaggctga gatcaaccag ctctcagtc 120  
 tcatcatcaa caccttctac tccaacaagg agattttcct tcgtgaactc atcagcaacg 180  
 cctccgatgc tttggacaag attcgatttg agagtttgac agataagagc aagctcgatg 240  
 ct 242

<210> 33946  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891926H1

<400> 33946

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 gaggttcggg caagctgagc aggaagaaaa gtggtggtgg aaacggacag gttctagacg 180  
 gttctaatat tatggagttg gttggaaacc agcaagtttt caccaccttc gtggacat 239

<210> 33947  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891927H1

<400> 33947

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 gtacattccg aatcagcttc atcagagaag aaatcaagca atggagtga tgagttgctg 180  
 acttttaatg ctgagaatat gcaaagcaac atgaaaatta tctattacag ccgaacattt 240  
 tta 243

<210> 33948  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891928H1

<400> 33948

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 tcgcgcccac caccaaatta tctcatcca aacaaggcac aatttccatg tccctaacc 180  
 ccccccccta cgacctccag tccttcaa at tccagcccat caaagaatcc atcgtgtcac 240  
 ggg 243

<210> 33949

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891929H1

<400> 33949

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 actgagggtt ggcaataaca agctttcttt acttagtggt gctgtcggtc tcccgaatgt 180  
 tggtgtgcac tttgaaacat ggaatgcggg ggtgttaggc ccagtcactc tgaagggctc 240  
 aaa 243

<210> 33950

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700891930H1

<400> 33950

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 ccgcgtgggt tcgtcaatgt ttaacactgt tgcaacaaa aagatagcaa ttcttgggtt 180  
 tgcattcaag aaggacactg gtgacacaag ggagacacca gccattgatg tgtgcaaggg 240  
 acta 244





agttctttca g

251

<210> 33954  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891935H1  
  
<400> 33954

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tcttgatat tcatattatc tttctctttt cgaatcatgt ttaaattgct catggcaaac 120  
acaaacctcc gaattgcctg tgttctcttc ttgtttttta tcttacacca ccaagatctc 180  
tatgttgaag gaaagaggca cttgaggctt cggttgaaca atcggtgctc gaaagatggt 240  
gaaaaatt 248

<210> 33955  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891936H1  
  
<400> 33955

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agcagttatt tagttgctga ccgaaaccat ttatagtttc tacggagcac aatgttggtc 120  
catgaaactt ctgcaatcaa tcttcttcga aaattgcaac aaaaatacat acaacggaac 180  
tcatccaatt tcaatgggtg cgagagccaa cggaattgag tgtgtttgaa gtgattatgg 240  
gtcctat 247

<210> 33956  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891937H1  
  
<400> 33956

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tggctggaaa caactggccc tcctaacgaa acgaagaatc tcgcatcgga atctggaagc 120  
 acgcgatgtc aacctcgaac cagcaccagt tccgatacac tcaaaccocct tccaaggtgc 180  
 tccaccttcg caaccttccc tgggaatgct ccgaagagga actcagagag ctctgcaaac 240  
 ccttcgg 247

<210> 33957  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891938H1

<400> 33957

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 gtggagcggt atcagatctc tcttgccat ccttcagtgg tgggccttca atgtcactgt 180  
 catcatcgtc aacaagtggg tctttcagaa attggatttc aagtttccct tatcagtttc 240  
 ctgt 244

<210> 33958  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891939H1

<400> 33958

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 acgtatttaa tttgcttgca aggagggaga tctcaccocg gacaagatat gtggcaaaat 180  
 ggcattgggg agatcccggg gaagcttcaa aatcaaagtc tattccttat tctcgtccta 240  
 aaaa 244

<210> 33959  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891940H1

<400> 33959

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 agtcaagact actaaatacg cccctaactt gcggtgcaca gcttttagatg ccttgacgca 120  
 tcctttcttt gacgaacttc gtgatccaaa ttctcgcttg ccaaattggcc gattccttcc 180  
 accactatct aatttcaaact cccatgaact gaaagggtgc ccagctgaga ttttggtgaa 240  
 att 243

<210> 33960

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700891942H1

<400> 33960

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 cgggagcgtc cagacgtatc ctcagcaggc tggtagcatt cgcaagaatg gctacatcgt 120  
 catcaaattc aggccttgca aggttgtaga ggtctctacg tcaaagacag gcaagcatgg 180  
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<210> 33961

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891943H1

<400> 33961

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 ttggtcacia ttggaggggt actacagccc aatagatcag gtggaacaga aaccactggg 120  
 taaccagtat gttaaccctg ccccgttccc tggaacgga gttcaagtct cacctgttac 180  
 tccatctgct gatgttactg cttacttcag ctctgagcat tcgagcaact cgtttga 237

<210> 33962

<211> 236

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891944H1

<400> 33962

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 tgcattcctg caactactat cctaactctgt aaaatttgtg tacatatgta agaaattcag 180  
 ctgttaatat gtgtatataa ttggtcctcg ctaatcaagt gtagacattc ttgtaa 236

<210> 33963  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891945H1

<400> 33963

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 agggcaattg tcaagtttcc tatgccattg gtgtgcctga gcccttgtct gtgtttgttg 120  
 acatttatgg cactgggaag atccctgaca aggaaatcct cagcattgtg aaggagagtt 180  
 ttgacttcag gcctggcatg atctccatca accttgatct caagaggggt ggaaatg 237

<210> 33964  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891946H1

<400> 33964

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 tggcaaagaa aacagcatag aagatggtgg ctcaggcagt ggatacagca gttggaagcc 120  
 tgaagcaaaa ccaaggtttt caaatgaggg tttggaggag agaataagg tgtactcaga 180  
 tgatcaaaat gagaatagca tcataagggg tgggtgagaaa tctgaagaca aaggacacca 240

<210> 33965  
 <211> 262

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891947H1

<400> 33965

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 atggtttctt ccgacaagga tccacgagag gagtccttca agcatggtac atggatgata 120  
 gtgatgaaga tcaaagactc ccccaccaca aagaacccaa ggagtttgtc tcgttggacc 180  
 aacttgctga acttggagtc cttagctgga aattagatgc tgataaccat gaaaatgatc 240  
 cagagctgaa aaaggatcgt ga 262

<210> 33966  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891948H1

<400> 33966

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 ttggaagcac ccgaaggcca ctccagccaga ctgcattcag gccctcatcg ttgaattcat 120  
 agccaccttc ctctttgtct ttgttggcgt tggttcttcc atggtcgttg acaagcttgg 180  
 tggggatgca ctagtgggat tgtttgctgt ggccgtggca catgcacttg tggtagctgt 240  
 aatgat 246

<210> 33967  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891921H1

<400> 33967

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 gaagcagcgt tggcaaccga atgggaacgc ggaaatgatg tacgtgaaag tgatgaccga 180  
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catcga

246

<210> 33968  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891887H1

<400> 33968

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 ggacagaagga tatcttttac ataactggaa ccagcaaaga acaactggaa aactctccct 120  
 tccttgagcg gcttaagaag aaaaattttg aggttatttt cttcacggat ccagttgatg 180  
 agtacttgat gcaatacctg atggattatg aagacaagaa gttccaaaat gtgtccaagg 240  
 agggtttgaa acttgga 258

<210> 33969  
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<223> Clone ID: 700891888H1

<400> 33969

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 ggaagaacgg caatctgaaa ccctacgtgg ttttctgggt ggaccggag cggcgccctg 180  
 ccacgaaatc cgacgactcc ggcaacacct ccccggtctg gaacgagcgt ttcgccctac 240  
 ctctccctgt tcccctc 257

<210> 33970  
 <211> 257  
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<223> Clone ID: 700891890H1

<400> 33970

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gcagcggggg aaaaagaaaa gagagaagta gggttcgaaa atggcagcag aatcatcaga 120  
 gggcgaagaa gaaaccaagt taagcggagg taaccaattg ctcatagttg acgatgactt 180  
 aacggaaatg ggaaagaaag ccgcttggag cgtgagttcc tgcaaaccgc gtaacggcgt 240  
 ttctctcttc cgtgacg 257

<210> 33971  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891891H1  
 <400> 33971

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 gttgcagcca ctttagaaac tgtattggac aacattcagt tgccatctaa tctcgtttta 120  
 gttagtttgt tggcttgccct cgcttcttact aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggggccccc ccaaaaaaag cccccccacc 240  
 cggg 244

<210> 33972  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891892H1  
 <400> 33972

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 tgcgtgttcg tgaagaaagc aaaaatgaga tttctaatat ggctaaggaa aaagtatatga 120  
 tatcgaaaa gctgagtga tctgaggcca caaacaatcg cttgaagtct gaaatgagga 180  
 ctgagatgga tcggttttct cgggaaaaga aggaactagc agaacaaatt caagaagttg 240  
 agagtcagct tgaatggat 259

<210> 33973  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891893H1

<400> 33973

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tatttccgc cgcctccgtc gtcgtcaaca gcaatggcag actcatcttc tccgccgacg 120  
aaccaactcg ctgccaccac cctcgacgag gttcccaaag ccaatttctc cgaccgcgtc 180  
cccattcgat ccatcatctc ccgccccgac ggcggctcgg gcctcgccgg cagcaaggcg 240  
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<210> 33974

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700891894H1

<400> 33974

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tcgtggggca cagatgggtg gtgtttgtgt gcgcgatgtg ggacatgtcg tttgcgggga 180  
catcttacat gttcgggagc atatcgccgg tgataaagag cagcatgggt ttcaaccaga 240  
agcaggtggc gttcttgagc 260

<210> 33975

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700891895H1

<400> 33975

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tggacgtttg gaactcaagc caatctgtgg ggtatgtgtt tattactgga cattttgtcg 120  
atagtgattg gaagttgcag aggagaattc tgaatgttgt gatggaacca taccctaatt 180  
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agctgttttc tatca 255



<210> 33976  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891896H1

<400> 33976

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 ggtcttctat tgtcggagtg tgtgttctga attttgttct gaacttcaag atcgtggcag 120  
 tagcagatga cactggaagc aacagtattg tatcagaagg tgactgcaag aacacaaatt 180  
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 ggcattcata cgaattgagg t 261

<210> 33977  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891901H1

<400> 33977

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 ttcccccttg ttatcaaagc tcgtgtgctt ttgtactccg atggttgtga gtactgatgt 180  
 tgaaacaaga agaagagtct aatgactaat ggtgtctcga attatttttg ctgtctgtac 240  
 aacgtggctc gttttcat 258

<210> 33978  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891902H1

<400> 33978

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ggttgcaaag cagcagaaga cgcgcttcta catcttcgga cgctgcatag ccatgtcct 180  
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 cattgaaatt tcgatt 256

<210> 33979  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891903H1  
 <400> 33979

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 ggtcaaggcg gggtttgcag gtgatgacgc tcctagggcc gtgttcccca gtattattgg 180  
 gcgaccacgc cataccggtg taatggttgg gatgggtcag aaggatgctt acgtgggtga 240  
 tgaagctcaa tc 252

<210> 33980  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891905H1  
 <400> 33980

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 tgtggtggtg gaggctcagg agaactcgga cgtgaagacg ctggtgaagc acatgcacgg 180  
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 cactattac 249

<210> 33981  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891906H1

<400> 33981

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ccaatgaaaa gatcgaaaca ttaatgatca atactggaca ttacgtgcag aggagatacc 120  
agaagaagag aaaaatctgg gtcctcatga tcgtctaata catgtgtatc attttactaa 180  
agacacagct cagaatcaaa tgcaaattca gaactttggg gaaccttttt cttggtcata 240  
catgaagg 248

<210> 33982

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700891907H1

<400> 33982

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ttcagcaaca cgtaactgcc ggttccttga actcacttcg gttgttcatt atgatttgct 120  
ttctctctcg tgggttggga agctccttca ttgcttcctg tggttgccaag aggaattcaa 180  
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tgaat 245

<210> 33983

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891908H1

<400> 33983

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ctcctttcac cctcttgat aatagagtag ggagaaaaaa aagggtctca aagatgagac 120  
caaaagacgg gtttttcatt aaaggccct ataagggagg gttttttctc atgcatgtgg 180  
ctagcagcag cagcaagtgc aagggtggcca tgagcatgac catggtcaac gaccctttga 240  
ggagaat 247

<210> 33984  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891909H1

<400> 33984

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 aacagcaatg gccaacacta acttggacga tgttccctct ctggatctca tgactgagct 180  
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 tggatctggg 250

<210> 33985  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891910H1

<400> 33985

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 aagcaaaatc tcaacttgca aaagcttcaa aaacccaaag atcaaattcc tctttgacat 180  
 gcttgctttt ggtgattttt gggattgtgc ttctcatcgt gatcatagtt cttgctgctt 240  
 ag 242

<210> 33986  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891912H1

<400> 33986

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 aatggacgat gctccgatgg acgccttacc ctcgatttcc tcgccgagtc tctgggggctt 180

ccgtatgtga aaccgtatct gggtttcaag aacggcgcgg tgaaacgcgg gaatattgag 240

c 241

<210> 33987

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700891915H1

<400> 33987

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aacgttggca tgctcaagct ggcaaaggaa gcaaacacaa tcctgtttga ttaccgaatc 180

ccaacatcgg ggtacgagac gtgcggatcc ggtgtggaga gtccactgca aatgaatgga 240

ctcccaat 248

<210> 33988

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891916H1

<400> 33988

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ttctccgct ccgctctgga cttagtttcg gggcagtcgc cgggtgccggc gccggcgccg 180

gcaccatgat gccggagcag ctggatccgt gtcgagctcg gtcgccatga ttggagcttc 240

cgttgtgatt 250

<210> 33989

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700891918H1

<400> 33989

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tctggaatga agaatcccag ctaaaacctt ttaggacaca tttctcctcc attgaaaagc 180  
agagcacttc agaatcattt cagaatgctg tagattgtgc tgtggatgaa gtcacaagac 240  
gagccgaata t 251

<210> 33990  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891919H1

<400> 33990

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cgatgcgaaa aggaaaggaa aaaaagggtt tcctttcttg aattgctgct tgcttcttct 180  
tcttcttggt cactgactgac agataagggtg agttgaatta ctgtgaagga gtgattgagt 240  
gagtgggtca 249

<210> 33991  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891920H1

<400> 33991

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tgaagtgggtc tacagattta ctggctttgc tatcacatta gtacctataa gaaaaccag 120  
gttgcgcttg ttcattggaat ttcaatgggt ggaggtgcag ctttgatggt cccattgaag 180  
ttctcagttg taacagaaaa aactgttttt gccactcctg aagcaagttt tggatttcat 240  
actgattg 248

<210> 33992  
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<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891886H1

<400> 33992

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 tttatgaaat gagcaaagga tccaaatatt ttcaaaacga ggaacgcaag gtagctttta 180  
 ttaagcagaa aattgataac ctgcgaattc agtgtgcaaa cctcacacaa gaagacttgg 240  
 cccattatca aaaggttgc 259

<210> 33993  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891859H1

<400> 33993

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 ttctacgtgg atccctctgt tctggttcgt acttatgaac aagcattggc tgaccagagg 180  
 aagtggctca gtgatgacaa aattgaagaa tggaggactg ctttgactaa attatctaaa 240  
 tttcttggtt tctgtg 256

<210> 33994  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891861H1

<400> 33994

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 cccaaaaagt gccgccagga gtgcaagaag agttgccccg tcgtcacgaa ccgggaggtt 180  
 gtgtattgag gttacttcct cgtccaagat tgctttcatt tcggaggcat tgtgtattgg 240

atgcggtatt tgtgttaaga aa

262

<210> 33995  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891862H1  
 <400> 33995

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 ttccgcgaag aagacatgga cgacgacgac gacgagtctc aggaggacgg agactacgca 120  
 gaagaagacg acgacgtttt ggccgacgac gaagaaaacg agccctctcc ctaccacggc 180  
 tacttgccgt caccgtcgcc gtccccgggt cctccgtctc caacggcggt gccgctccaa 240  
 ttctgacgcc caccgccacc accat 265

<210> 33996  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891863H1  
 <400> 33996

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 gctgattgtc ccagtgtcac cttcaccaaa ccccttatag agttaatgga gcctctcgtg 180  
 agtgagaaac aacaacaacc accgattgag ttctgcaaga ggaatattcc ctatttgcct 240  
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<210> 33997  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891864H1  
 <400> 33997

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 agtccattga cacaataatg cactttgctg ctcaaacca tgttgacaac tcctttggca 180  
 acagctttga gttcaccaag aacaacattt atgggtactca tgtcctatta gaagcctgca 240  
 aggtaactgg ccagatcaag aggtt 265

<210> 33998  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891865H1  
 <400> 33998

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 tctttctcct tttgtcaaatt tcttctgttc aacaggctctt tgccaatgga tactaagtcg 120  
 gctgtagaat taatggagtc ttccgcagag gttcattttt ctggatttca catggatggt 180  
 tttgagcaaa tcaaggctag catagaacaa ccaacaacct cagaaactga catgtataaa 240  
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 <223> Clone ID: 700891866H1  
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<210> 34000  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891867H1  
 <400> 34000

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tctgtctccc aatcaaaaca gacatgggtt tgaaggagga ttttgagcag tatgctgaga 120  
 aagcaaagac tttgccaccg actcagtcaa acgaagactt gcttatcctt tatggattgt 180  
 acaagcaggc caccgttgga cctgtcaaca ccagccgtcc gggaaatgttc aacatgaggg 240  
 acagagctaa atgggatg 258

<210> 34001  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891868H1  
 <400> 34001

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 gatgtgaagc attacccaaa taagggcagc gatgtctcac cagatcggag acgacagatg 120  
 ctaattcgcc tccgtgtttt gaccgagttc gtgccactga gtcgggtctcc gccgagttac 180  
 tcacttcaca agaagatgtt aagtctgcag acaggatctc agatgctgct cttgaatctg 240  
 cggttctgca gtctatcc 258

<210> 34002  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891869H1  
 <400> 34002

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 tcgtcaagac cctcaccggc aagaccatca cccttgaggt ggaaagctct gacaccatcg 120  
 acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180  
 ttttcgccgg aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg 240  
 agagtactct tcacctcgtc 260

<210> 34003  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891870H1

<400> 34003

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 tagtcgtaat ttggaccttc tccagaagga gtttccacta cagtaaggga gggtcagttc 180  
 cactgtggag gtggttgctt gaacatgaat cctaattttc cttaaaactt ttggatgagt 240  
 aaatggcaca ttttctgc 258

<210> 34004

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700891871H1

<400> 34004

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 cacgggagag acgaccgtag tagaagctcc tgggctgaag tcgtctccca ggatcaacaa 120  
 gatcaccttc ttctcatca ccaacacaag gaacaatata gtcctcagta cgaggagccc 180  
 caatctcaaa gttcctacaa accccagaag gtggatgaag gtgaagatgg atggcagact 240  
 gttggtagaa ag 252

<210> 34005

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700891872H1

<400> 34005

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 ccacaaaagg gtatacatgg aggaacataa ttctctgagt ggcatgaagc agagaagcta 180  
 tggccacatc ttagcaaacc ggcaagtcac aaaaaggcaa tggactctct ctcatataag 240  
 ggtccttatg gctatgta 258

<210> 34006  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891874H1

<400> 34006

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 aggaactggt gctgttggat tcacttctaa ttctgatgga gaggtaaaag aagtcaaact 180  
 aaaggatggc agggctcctgg aagctgatat tgttgctggt ggtggtggag gaaggcctca 240  
 aacagcctta gtcaaa 256

<210> 34007  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891875H1

<400> 34007

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 cttctttctac ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc 120  
 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180  
 cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcaccagcac 240  
 caacttggtc atggt 255

<210> 34008  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891876H1

<400> 34008

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 aacttgga atctcaacgg tgaggcgagg taagctaccc tgcaccagat tgaagatgct 120

tgccagaact ggggattttt tgagttgggtg aatcatggaa tacccttga acttttggat 180  
 acggtggaaa ggttaacaaa agagcattat aggagatgca tggcgacgag gttcacggcg 240  
 gcagtgtcaa gcaaag 256

<210> 34009  
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 <213> Glycine max  
 <223> Clone ID: 700891877H1  
 <400> 34009

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 ccaccccttc cagacaaaaa agtgggtgtca tcatgtgaga agaagaagaa gaaaagtgtg 180  
 agtgcagaaa agaagagtgg tgggagagct cggaagaacg tgtacagagg aatcaggcaa 240  
 aggccgtggg gcaagtgggc 260

<210> 34010  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891878H1  
 <400> 34010

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 ggcacagttt cctctgcaaa caatgtcacc aattgggttg gtaccatttg gatgacaccc 180  
 atattaggcg cctacattgc tgacgctttc cttggccgct attggacttt tgtcatagcc 240  
 tccaccgttt atctctcggg 260

<210> 34011  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891879H1

<400> 34011

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 gatacgatgt gattgggaaa aggaggagga gaaagcttgc tttcgtgtaa gtaagtggtc 120  
 aaaatctaac tocaatggca atctggaagc ctaccaatta acatttgatt tagccaatgg 180  
 atcgtgtttg ttattcacca atctggattc tatgagtttt gccgttgat tggaatgctgc 240  
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<210> 34012

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700891880H1

<400> 34012

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 tccgtcttca ctctcgccat cggcctcgtc ttaaccgcct ctttcttcat ttatgaagca 180  
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<210> 34013

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700891881H1

<400> 34013

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 ccacaggcac aggagaagaa gacacaagca caagcacaag cagagagac accatgcact 180  
 ttctctgggt ccagcaccta caactattat tcggagaagt cccccagcac cacttgctga 240  
 cgatattgct acaaccgatt caga 264

<210> 34014  
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 <212> DNA  
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<223> Clone ID: 700891882H1

<400> 34014

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 gattccttga acttgagtta tctaatacaa ctgatgtcgt gtttgaaatc aatgtctctg 180  
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 atgtctatcc taaaacaaga 260

<210> 34015  
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 <212> DNA  
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<223> Clone ID: 700891883H1

<400> 34015

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 tgctttgcta tcttacagga agaggatcaa aataccccac cataagacaa atccaaagga 180  
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 gaagaaaaca agtggcctt 259

<210> 34016  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891884H1

<400> 34016

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 agtgcgga cggctgcgga ggctgcaaga tgtaccaga cttgagctac actgagtcaa 180

ccaccaccga gaccttggtc atgggagtgg cacctgttaa ggctcaattt gaggggtgctg 240

aaatgggtgt gcccgctga 259

<210> 34017  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891858H1

<400> 34017

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acttgagcac ctaccaagag cagctgggtg aagaagccaa tagagctttg gaagtattac 180

aaaaggaagt ggcattgcat agactaggta accaagatgc agctgagaca attgcaaagc 240

tgcaagcaga aataag 256

<210> 34018  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891829H1

<400> 34018

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aggagaacaa gaattctcca ttgcaagacc taatggaagt ggccaattct caagaggagt 180

ccgcaatctc tgaacaaaca ccaaaggag aactgggga gaaaccttcc cttatgtgc 240

attctaggaa aagaaaaggt ccatcc 266

<210> 34019  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891830H1

<400> 34019



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<210> 34020  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891831H1

<400> 34020

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 ccgaaagcca aaggggaaga aaaaggggtgc aagaaatatt agtgggagcc ttcctcgtgg 180  
 agttattaat gtaactcctc agatgcaaga gcagagggtg aaaagtgtg ctgttggttac 240  
 agatctcaag cctcgtccag cagaaaat 268

<210> 34021  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891834H1

<400> 34021

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 gatttgactt gtcctgatgg tacttttggc agagctgctg ttccaagtgg tgcattccact 180  
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 tcaaaggctg ttgacactgt gaa 263

<210> 34022  
 <211> 260

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891835H1

<400> 34022

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 gaagctgttt ggccaaacac tcccattccc actgcactgc gagagcttct aaagcctctc 180  
 cctgcagggtg ttgaaatcga tgaactccct aagcaaattg atgatacaca gtacccaaaa 240  
 acattcttct ataaagaaga 260

<210> 34023  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891836H1

<400> 34023

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 tggatgtgaa gcattttcca cataagggaa gcgatgttca ccagatcgga gacgcagatg 120  
 ctaattcgcc tccgtgtttt gaccgagttc gtgccactga gtcggtctcc gccgagttac 180  
 tcacttcaca agaagatggt aagtctgcag acaggatctc agatgctgct cttgaatctg 240  
 cggttctgca gtctatccct t 261

<210> 34024  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891837H1

<400> 34024

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 gcaaagagag gaccgaagag aactggaagt ggctgttcaa ggaaaccggt ttcgcgcgtt 120  
 acaacatcat caagatcaac gctctccctt ccatcattga ggcgtttcca atctgaagaa 180  
 gatgccacta ccacaactgc atgtggtttt tatgttgcat gtgttggtg 229

<210> 34025  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891839H1

<400> 34025

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 acgagattac cttttcaaca gttgacaagc ctaaactcct tagtcagtta actgcaatac 120  
 ttggtgagat gggactgaat attcaagaag ctcatgcatt ttccaccact gatggatttt 180  
 ctctggatgt ctttgttgtt gagggatggc ctaatgagga aactgaggag ctgaaagggtg 240  
 tgttgaaaaa ggaaattttc 260

<210> 34026  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891840H1

<400> 34026

cagccaagcc agtaagcaca accaaagcaa caccocaaat ggcttcagct tctgttccca 60  
 tggcgttgtc actgagctct gttaccaaca acaacaagcc ttcacccgaa gcctttcttca 120  
 ggccactacc cctacgcca ccaaagagga ccctcttcac cacgaaggca gtgtcaaact 180  
 ccaagcctca aatcaatgca tctttgaagg agaaggcagt tgccggactc acagcagctt 240  
 ctgtgacagc atctatgggtg gt 262

<210> 34027  
 <211> 109  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891841H1

<400> 34027

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 tagattgttc gatcgaaact tctcaaaacc ctagttccac acaacatac 109

<210> 34028  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891842H1

<400> 34028

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 tgggtggcatt tctgattatt acagagacag tgctgctatt ggagcttttt cagcgatgga 120  
 gaaagggatt ttggtttcat gctccgctgg gaactcgggt ccgggtccct acagtctctc 180  
 caatgtggct ccatggatca ctaccgtagg cgctggtaca ctggatcgtg acttccccgc 240  
 atacgtggcg ctcggaaa 258

<210> 34029  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891843H1

<400> 34029

cagaacatcg cttcgtctca aatgatgtgg gactggatgc cgacaactgc aaggtcctcg 60  
 tcaacattga gcagcagagc cctgatattg ctacgggtgt acacggccac cttacaaaaa 120  
 aacctgaaga aattggtgct ggtgaccagg gtcacatgtt tggctatgcc actgatgaaa 180  
 cccctgaatt gatgccattg agccatgttc ttgcaacaaa actcgggtgct cgtctcaccg 240  
 aggttcgcaa gaacggt 257

<210> 34030  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891844H1

<400> 34030

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 tcatcaggaa gaggggtttc tctgagactg aaactggtca tgaagatgag tctgccacca 120

ctgtggattt gatgcttaat ctttcttcta aggaggccgc aaccactgct gctgctgctg 180  
 cagatccaac tgataagcac aagactttgc ctaaggagaa gacccttctg ccagcagatc 240  
 ctgctaagcc tccagccaag 260

<210> 34031  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891845H1  
 <400> 34031

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 atacagtact tgtcaaacac caaatTTTtac cgagctgata gggaaaaact tagaaccttg 120  
 tttgtgttcc tgggagaatg tttgaagttg gttgtggctg ataatgaagt gggaagtTta 180  
 aaacaagcct tggaaggtaa atatgtggag ccagggcctg gtggtgaccc aataagaaat 240  
 ccaaaagtct tgccaacagg a 261

<210> 34032  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891846H1  
 <400> 34032

tgggaggatg tattgttcca ctgagagagc ttgatgatgt cattattccc ccatccccag 60  
 taacgtttcc tgaagatcat gagacctgga atgttcagtt gtttagatcc attgatggtg 120  
 gggctgcttt tgggttcccc gagactcctg aagatgctgc cagagctggt cttattagtg 180  
 ggaaggataa tatcattgat cgtagcattc aagatgctta tattaatgct attcgacgtg 240  
 caaagaactt catctatatt gaa 263

<210> 34033  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891847H1

<400> 34033

ctttttaga ttatatagtt tgatttcttt gaagacaatt gcaatttgca ttatggggac 60  
 aaaaatcatc ctttctaaat acatcatgaa aacagatgat gatgcctttg ttaggattga 120  
 tgaagtgctt tccagcctta aaggaaagcc atcggaaggc ctcttgtagc gtctcatatc 180  
 ttctaaatca tctcctcaga gggacgaagg cagcaagtgg tacatcagtg aggaggaatg 240  
 gccccatgat acatacccac catggg 266

<210> 34034

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700891850H1

<400> 34034

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 aaactgtttg aaaatgcctt ggcttactat gataaggaca cccagatag atggatgagg 120  
 gtggcagcca tgattccagg gaaaactggt ggtgatgtga tcaaacagta cagagagctt 180  
 gaggaagatg tgagtgtcat tgaagcaggt ttgatccag ttacctggct atactactgc 240  
 cagttctttc acattggagt gggt 264

<210> 34035

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700891851H1

<400> 34035

gggttttctc ttggtgggag tgggactagt ctagcttcta tggagttctt gtccatgcct 60  
 caggttcagg aggttggtct ctctgcagac atgcaatgtg agaagtgcca gaagaggggt 120  
 actgacatta ttgcaaaaat gaatgtagag acagagtctg tggtgattaa cgttttggaa 180  
 aagaaagtaa cacttacttt cagattacca tcaatagga aagttaccac tcggaaaatt 240  
 actcacatca acaacagg 258

<210> 34036  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891852H1

<400> 34036

tgaaggga aagactgggt ggatgagcat gagccgaac tggggtcaga actggcagtc 60  
 aaacgctgtt ctgggtgggt agtcactctc cttcagggtc acagccagtg accgacgcac 120  
 ctccacctcc tggaacattg taccgcgcaa ttggcaattt ggtcaaacaat tcaccgcgcaa 180  
 aaatttcaga gtctaataat tactgtgttt gatgggtttt ttgttaaatt gtttatttaa 240  
 tttttataat tttttttt 258

<210> 34037  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891853H1

<400> 34037

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 aagaagattg taattactaa tagtgtatgt acggtttgct ggataaaaca gtgatgagct 120  
 tgggtgtggag aatggaaaaa ataggggggt agtgggagtg gagtttggga acaatgttat 180  
 gcggcaccta tctgtttgta cttatattgg cttgctttta tgttgttata ttgagtcagtg 240  
 tttccgtaat atttggt 257

<210> 34038  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891854H1

<400> 34038

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 aggacttacc ctcaaagat ttgtcttctt tggtgcagaa gaaccgtgct ttctaattctt 120  
 gtaattttct gcgttgcttc gtgggttaatt cttcgtgttc ttgtgatctt tctgttggag 180

tatttacaac actcctttgt aagtttaact aaagaggcta attaattttc aattggacca 240  
cagcagatgg ctgaggg 257

<210> 34039  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891855H1

<400> 34039

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ccggctacat cggcaaacat atagtggaag caagcgcaaa ggctggaaat cccacttttg 120  
ctttgggtgag ggaatccaca ctctctgacc cctccaaggc acaactcatc cacaattttg 180  
aggctttggg cgtaattttg gtccgcgggg atctgtacga tcatgagaag ttggtgaaag 240  
ctatcaagca agtagat 257

<210> 34040  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891856H1

<400> 34040

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cttccttaag taagggtgcac ctgccatgct aacttaagga agatagacct aaatgttacc 120  
aagagctacc cagaacttct caaggccttg ggaaatatgt tcaagtgcac atttggtgaa 180  
tattcagaaa gggaagggtg caatggatct gaatatgctc caccttatgc tgacaaggat 240  
ggggattgga tgctgggtt 258

<210> 34041  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891857H1

<400> 34041



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 gtgttggtg cacatcgtgg aggatatatg gattcacaga aggaggaagg gcctgctcca 120  
 ttgctgtgga gattttcgga cttcttgaag tgggcagagc tttgtccctc tgaaccagaa 180  
 attggacatg ctttaatgcg tttggtgatt actggacaag aaataccaca tgcgtgtgag 240  
 gttgagcttc ttattct 257

<210> 34042  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891828H1

<400> 34042

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 atgtagaggc atgcagtcca tggatttggg tgctttttgg cttgcagttt ccaattgcac 120  
 ttttggtggt tgggtatgaa gcagtgaagt tgtacaagga gcacaaaagg agaattgagca 180  
 caaggaacct agaattgcac tgtgaggctt ctatagaatg gactgctatg agccttgcac 240  
 tttgttcatt gtgtggcatt g 261

<210> 34043  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891803H1

<400> 34043

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 cccagcttcc atttaagaat ggagatcact agaattaggcc aatggttaag tcttctgata 120  
 tgtgtactac tattactgca gacagaaggg gttcctgtgg gaatcacttt tgttgaaaat 180  
 gcagtggcaa aaggggctgt ttgtttggat gggagtcctc cagcttacca cttccacaag 240  
 ggatctggag cagggattaa caactgga 268

<210> 34044  
 <211> 269

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891804H1

<400> 34044

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 caagaccctc accggcaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa 120  
 cgtcaaggcc aagatccagg acaaggaagg aatccccccg gaccagcaac gtctcatttt 180  
 cgccggaaag caacttgagg acggccgtac ctttgctgac tacaacattc agaaggagag 240  
 tactcttcac ctgctcctcc gtctccgtg 269

<210> 34045  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891806H1

<400> 34045

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 acatgtcgaa cacatgcggc aactgcgact gcgctgacaa gactagctgc accaagggaa 120  
 acagctatgg tgttattgta gagactgaga agagttacat cgagactggt gtcattggatg 180  
 ttccagcagc tgagcatgat gggaagtgca agtgtggcac taactgcact tgcacggact 240  
 gcacctgtgg ccattaagga atatg 265

<210> 34046  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891807H1

<400> 34046

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 gcaaagttta agtcattatg ggtaaggaaa agactcacat caacattgtc gtcattggac 120  
 atgtcgactc tgggaagtca actaccactg gtcatttgat ctacaagctt ggaggtattg 180  
 acaagcgtgt gattgagagg ttcgagaagg aggctgctga gatgaacaag aggtcattca 240

agtatgcctg ggtgcttgac aagc

264

<210> 34047  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891808H1

<400> 34047

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atgttctacc aaccttgga gaacaagggg tgcgccagct ctattctaag ggcctaata 120  
ttggtaagct ttaacctttc aatgcttctg ctgacccctg cttcctaata ttggtaagct 180  
ttgtctgctc tttgttgcca taggttcggg attttatatt atcattatta tgttgcaaaa 240  
tactcgggtca cattttcatc ctttt 265

<210> 34048  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891809H1

<400> 34048

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atacttggcg gaggcaaatg tgcaagcaat gcagtttgat aaagcagagg agctgtgtaa 120  
gaagacactg gagattcatc gggcacatag tgaaccggct tcgcttgagg aagctgcaga 180  
taggaggctc atggcgctga tttgcgaggc gaagggagat tacgaatcag cgttggagca 240  
tcttgtgctt gctagcatgg ct 262

<210> 34049  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891811H1

<400> 34049

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tgcaaagtga gctgccaaca ggaaaaccag cacgcctcgt ttgggcagaa agtttctgac 120  
 ttgttcaaag ggcattcaaca taatgaccac agctccaatt atgccacca aaccaaagtg 180  
 ctttcccagt cagggtcagg gttaggcccc ttcaccacca aaactcaaac acaatgcggt 240  
 tgcccccaaa cacatctcag tac 263

<210> 34050  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891812H1  
 <400> 34050

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 gaagaatctg agaagtctgt atctgaggtg aatgatgaag atgatgatga ggaaggcagt 120  
 ggcgaggaag aggatgacga ttagagaatg gactgataat tgcatttatg taggttctga 180  
 tgattttgat catctgttgt aggtgggtctg gtcatttctt gataaacata tttcttgctt 240  
 ccaaaaaata tttccctgct ccc 263

<210> 34051  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891813H1  
 <400> 34051

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 tcgtcactac aagcagcagc tactttcatg caaccaccca agtttttgca gctaaagtct 120  
 actcaggcca tatctaaggc ttttggtttg gaacctgctg gagttaataa ggtcacatgc 180  
 tcccttcagg ctgatcttaa ggacttggct cacaagtgtg ttgatgctac caaaattgca 240  
 ggctttgccc ttgccacctc tgctctc 267

<210> 34052  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891814H1

<400> 34052

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ccagcttcac tgttccccctt gttcttgcca acatcatctt cttccattga ttcattcaacc 120  
tcatccaggt ttccaggacc ttcacctgtt tcagctgggt aaatttgtgt ctcgtcctct 180  
aacatcatct catcaagagt gaggatgatt atgaacaagt caactccgag gtgcctatga 240  
atgagtgatg ggggaaatg 259

<210> 34053

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700891815H1

<400> 34053

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ggcggcgatg gatacacacg cggctgctcc gccaccgccc ccaaaggaac cctttattcg 180  
gcgctacaag ttcggttgcc ctgtgctttt ggctgtgaat ctcggtgtcg gagcttattt 240  
gtttatgggc gacaagaaga aagatactgg tg 272

<210> 34054

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700891816H1

<400> 34054

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caacacataa ttccacaggt tttggagatg attagcaatc ctcactattt gtatcgaatg 120  
accatactcc atgctatctc tctacttget cctgtgatgg gctctgaaat cactcgttca 180  
gaattattgc ctattgttat tactgcatct aaagacagag tacccaacat taagttcaat 240  
gtggcaaagg tcttgagtc aatcttcccc 270

<210> 34055  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891817H1

<400> 34055

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 agttaccctt tattgatcta gaaatacaaa ctgaaaagga gattgaattg aggctgctgc 180  
 cctcacttga tacactgaag gtgaaagata agaaggatcg agggaaactta aacagtaaag 240  
 gtcattgtatt atcagtttaa c 261

<210> 34056  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891818H1

<400> 34056

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 gaaaaatccc aagaaaacaa agtggaggag aaaaaagtag aagaagaaga aaagaaagaa 120  
 gaagagaaaa aatcagatga gaagaaattc aaggagaaat ctgcgccgcc agaaatcgtg 180  
 cttaaagtgt tcatgcattg tgaaggttgt gtcgcgaagg ttcgtcgctc cctacaaagg 240  
 attcccaggg gtcgaagata tactcacag 269

<210> 34057  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891819H1

<400> 34057

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cttcatctct ctcacacact cctctcacta gctctggtca ctgtcttagg aaccctagaa 180  
 cagcaaccca gataaactat tccaagacac acaccacaga aagagagaat caaaacaatt 240  
 aagccttgga tctgcatagc aaaggcaa 268

<210> 34058  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891820H1  
 <400> 34058

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 ttcaacccaa ctcgtttaag actgtagtgt gtggaggatt agctggatct acggctgctt 120  
 tattcacgac tccttttgat gtgatcaaga ctagattaca gacacagatt cctgggtctg 180  
 caaatcaata tgatagtgtg ctccatgcc tttacaaaat tagtaagagt gaaggattga 240  
 agggcctgta cagggggttg attcc 265

<210> 34059  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891821H1  
 <400> 34059

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 agttttcatt gttatggtct ccgtagttaa caaattttat cagcatgtta cattattact 120  
 ccattctacy ttaggttggt gacgaattga gttattctgt catcagttga aattgagttg 180  
 agagaatatc caaatcgttt ggcaatctgg tgggtggagg ggtatcaagg taggaaaatt 240  
 gtactttgat taggtagttg gtga 264

<210> 34060  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891822H1

<400> 34060

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 cttctacttt gtgagaaact tttagtttca acttcagaga aggtgagaat ggtctaagaa 120  
 gaagccttgc atggcgagcc aaagaatagg agaaacgggt ttgtctgagt caggaccttc 180  
 aagtcaccat atcccttatg gagttcttca tgggattaat acttcatcat cagccctaata 240  
 caatcaaggg tcagcttttg at 262

<210> 34061

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700891823H1

<400> 34061

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 tcaccactct taccgaggct ctatgggttaa ccataccag caagggaacc aagtgcattg 120  
 ccgaggaaat ccagacacac gtcgtcggtt tagcagatta ctatgttgta gccgatgatg 180  
 tccagggtca ccaacttcaa actatttctg ccaagggtgac atcccttat ggaaataatc 240  
 ttcaccagaa tgaaaatggt act 263

<210> 34062

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700891824H1

<400> 34062

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 tgcggaggct gcaagatgta ccagacttg agctacaccg agtcaaccac caccgagacc 180  
 ttggtcatgg gaggggcacc agttaaggct caattcgaga gtgctgacat ggggtgtccc 240  
 gctgagaacg atggctgcaa a 261



<210> 34063  
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<223> Clone ID: 700891825H1

<400> 34063

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 gtacattgaa accagttccc ctgatcccat cttccatgtc tgctacggcg gcatgatctt 180  
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<210> 34064  
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<223> Clone ID: 700891826H1

<400> 34064

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 cactgtctgg gatgttgag gtcaggacaa gatccgtcct ttgtggagac attacttcca 180  
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 tagagatgag ttgcataga 259

<210> 34065  
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<223> Clone ID: 700891827H1

<400> 34065

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 tttgtgatgt aaaagtgagc tgcaatgggg gaaagaaaag aagacagact attatttatg 180

tgtgtgtatc aatgttgtgg tttattatta ggagccaggg ttgcttcctg ttttgccctg 240  
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<213> Glycine max  
  
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<400> 34066

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atgccaccgt ccaagacatc aaggatgaaa atgagacgaa acatttggag gaaatggaag 180  
gagcaaagag tcgtctccat ttttttgaaa tggatcttct tgacatcgac tccattgccg 240  
ctgccataaa aggttgctcc ggcgtaatcc ac 272

<210> 34067  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891761H1  
  
<400> 34067

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gcacaacact tgtgaggatt cactgttagc tgctcctatt atcttggact tggtccttct 180  
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<210> 34068  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700891762H1  
  
<400> 34068

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gcaccggcct tccagcgct tcaattctcc cttctggact acaaattctg ttgtcctat 120  
 ttggaacaac aactcctctt taaccgttgg agctagaggt ccaattctgc tggaggatta 180  
 tcattctgtg gagaagcttg caaatTTtga tagggaacgt atcccagaac gtgtt 235

<210> 34069  
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 <213> Glycine max  
 <223> Clone ID: 700891763H1  
 <400> 34069

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 ctctcttccc caactccatt ttccagaact acccaatgat tgccagagag tacgaacgtg 180  
 tgagagctgg aaggcctccc gttgctcttg atagatcgcg ctacgatttg gaa 233

<210> 34070  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891766H1  
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 cggtgattat aaaaatggag acacctcttt gaaggatgga gatatagtta aatcaaaaga 180  
 cctcgagggt ggaagtagtt ctgcagacaa tgttgaagca ggaactgcag ttttcc 236

<210> 34071  
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 <213> Glycine max  
 <223> Clone ID: 700891767H1  
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ttttgatgaa tttagttaat ttttagttcg cgtaatgatt ttacatgaac gatttattta 120  
 gttaatttag tttgcgtaag gattttacat gaacgattta tttagttaat ttagtttgcg 180  
 taaggatttt acatgaacga ttttagtgagt taatttttag tttgcgtaag ta 232

<210> 34072  
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 <213> Glycine max  
 <223> Clone ID: 700891768H1  
 <400> 34072

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 ccgccacccc accaaccac gtgggaccac taccaggccc aggaccatca ccaccctctg 180  
 ggagtttccc agccccacca cccaccccc ttcatgtcct tccccagt 228

<210> 34073  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891769H1  
 <400> 34073

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 aaacctaaat gaagaaatgt tgattaaaag gaaacgacaa aaaaaggggt aggaggaagg 180  
 ccaagggttt ggggtgtata acagtgatgt agtagtcctt gacctttct 229

<210> 34074  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891771H1  
 <400> 34074

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gctggtggag cacatggtgg tggtttttga ggaggtggtg gaagtgggtg tggccatggt 120  
 ggctatgttc cctaagaact actcttcaat gcacaataga tgtgcaagtg tcccctttcg 180  
 cgtatcaaga ataataagta tgctattaat aacaggatca taat 224

<210> 34075  
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 <213> Glycine max  
 <223> Clone ID: 700891772H1  
 <400> 34075

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 agtggatcgc cctgtatcga cctccatcta ttttctcggt ccttctggga gtgtgtctcg 180  
 cctccatcgc ataccctgcg ccgaaacctg gcattcattac atcggcga 228

<210> 34076  
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 <212> DNA  
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 <223> Clone ID: 700891777H1  
 <400> 34076

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 aaaacccttc ttgtctcggt cggtgaatta cccttaattt ctttgtgttc cttccaatca 120  
 catggcatag aatttgaggt tttccacaga agaagatcta gctaggaaga agagacgaag 180  
 caaaagacta gttagttagt gaaaattcaa gttggaacca tccaaaag 228

<210> 34077  
 <211> 228  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891778H1  
 <400> 34077

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ccaccagcca tgggtcgtat gcacagccgc ggtaagggtat taccctcttc tgctttgccc 120  
 tacaaaagga cacctcctag ctgggtcaag atctcttcgc aagatgtcga agaaaatata 180  
 tgcaagtttg cgaagaaagg ttgaccccg tctcagattg gtgtcatt 228

<210> 34078  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891779H1  
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 aaccgtatgg aaagattagt agttccatgc tctttcagct gtgcttccca ttcaagtgtg 120  
 gaattaggtg cacccaaagg accaaaagaa gattcaaaag gcactattgt ttcaagaaga 180  
 caagaaggac aagatagatc aatcatcaag gctaaaatga agaga 225

<210> 34079  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891781H1  
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 ctccggcgag atcatgctct ttggcgtag aatcgtggtg aactccatgc ggaagaatgt 180  
 gcgtctgaat aacctctcgc c 201

<210> 34080  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891782H1  
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gacatccatc agcgacctcg ctgccaattt ggccacttgc tctcgtctca tcaaagaagc 120  
 agcatcagct ggagccaaat tgctttgctt tccggaggcc ttttcttacg tgggtactaa 180  
 ggatggcgac agtggttcgtg ttgctgaacc attggatgga ccaattatga gc 232

<210> 34081  
 <211> 214  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891784H1  
 <400> 34081

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 ttgttggagc tgcggtggct gcaatctacc atcaatacat tcttagaggt tctgcaatca 180  
 aagctcttgg atccttcagg agcaacgctt aatt 214

<210> 34082  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891786H1  
 <400> 34082

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 aaatactaaa tactaaatac tgtaacacat gacattagtt tttttttttt ttgtcacggt 180  
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<210> 34083  
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 <213> Glycine max  
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ttcactgtag ttctgtgtt tgtgactgcg tatatctgcc actacaatgt tcacagcata 120  
 gacaatgaac ttgaggactc ctcacagatg caaggggttg tacaaaccgc cttgtttcta 180  
 tgctcttcag tgtatgtaat gataagcttc tttgggt 217

<210> 34084  
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 <213> Glycine max  
 <223> Clone ID: 700891788H1  
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 ctcccatttc agaaccatct ataattgtcaa agaccctctt gacaaaacaa atgctgaatc 180  
 tccagcacta ccaccaggac caacacaaaa accagcctca gcacca 226

<210> 34085  
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 <212> DNA  
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 <223> Clone ID: 700891789H1  
 <400> 34085

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 ttatgacaag cccattcaca tctaaagaga cggttgctac tt 222

<210> 34086  
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 <213> Glycine max  
 <223> Clone ID: 700891790H1  
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 gctactgttt caatgattgc agggatattg agggtttcat agaatcctgt gttatgttta 180  
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<210> 34087  
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 <223> Clone ID: 700891791H1  
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 gggaggggtg gtttacagaa tgtgggtggtg tctggggcca aaaggggttt ctctgatgcc 180  
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 <212> DNA  
 <213> Glycine max  
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 <400> 34088

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 agctgcgatg acagaaatgt tgataaccaa aggtggagca gatttcagaa agataatgtt 180  
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<210> 34089  
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<210> 34090  
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 aa 242

<210> 34091  
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 gtcaccatcc tacgacgtcg cttcagccca agatcccagg ttctgcaagc acgttcacga 180  
 caacgtccat ggcaatattt atctcgattc ccttagtttg aagttcattg ac 232

<210> 34093  
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<223> Clone ID: 700891760H1

<400> 34093

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 tacatccatg gcatcatctc aagcagacct cagaaagatt gctgtagaaa gcttcgattt 180  
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<210> 34094  
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 <213> Glycine max

<223> Clone ID: 700891801H1

<400> 34094

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 tctctccctc tctcatggct tccgatctcg aagcaaaagc caaagaggcc ttcgtcgaag 180  
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<210> 34095  
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<223> Clone ID: 700891724H1

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<210> 34096  
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 <212> DNA  
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<223> Clone ID: 700891725H1

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 gtccttggtg aacaagcaga agcccatttg gatgagaaag cctgaggaga tcacaaagga 180  
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<210> 34097  
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<223> Clone ID: 700891726H1

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 gccgttttga tcggaataaa ctaccggga acaaaggcgg agctgaaagg atgcataaac 180  
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<210> 34098  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891728H1

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 tctcatcgtg ctctcaatta tactcctttg tttccgaca accgcaaaaa ccgacaaccc 180  
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<210> 34099  
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 <213> Glycine max

<223> Clone ID: 700891729H1

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 gtgatggagt tatgactggt gaatggtcta attcaagtga atgggtcttg gttactgggg 180  
 gatgtgatgg tgcaatacga ttttgggaca tcagacgcgc tggtgttttc ca 232

<210> 34100  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891731H1

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 tgccggcggt ggagcccaag cccaaggccc atccacctct cctgcgctc ccacaccca 180  
 agcatctoga cctcccgctc agtcttctcc gccacctgtt cctctttcac ctccaccc 238

<210> 34101  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891732H1

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 taaaaaggga ccaaagtttg ctgttatgaa gaagattgtc acttccaaag caatcaaaag 180  
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 aa 242

<210> 34102  
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 <212> DNA  
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<223> Clone ID: 700891733H1

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 ttgaggcctt acatggaatc tatggttcca ctccccgaa tctatgacct cgatttcatt 180  
 gctgccaacc aaggagaccg tgccaacaac gtgatcaagg gcacaaagac agaacaagtt 240  
 caa 243

<210> 34103  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891734H1

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 atggggaatc tggtccttca accaggtcgc caactaaaga ttcgattgat gggggtgttg 180  
 atttgaatca aagagcagta gcagtaccat cactctttga agaagatgtt gaatttgt 238

<210> 34104  
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<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891735H1  
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 caacgaaata acatggagac catgcatccc gagtgaacca cttgttgcag aagttgttca 180  
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<223> Clone ID: 700891742H1

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<223> Clone ID: 700891743H1

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 atattgacta cccaatgagt aaatgggaga ttttttccat tgaagggtac tacttgagct 180  
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<223> Clone ID: 700891745H1

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<223> Clone ID: 700891746H1

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 gtggggatta ggataaccct cctctatctt tcaactctaa ttttgatcat catcaccttc 180  
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<223> Clone ID: 700891748H1

<400> 34113

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<223> Clone ID: 700891754H1

<400> 34117

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<223> Clone ID: 700891723H1

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 ccctctcttc caactctttc ttaggccaac gcctttctcc catcacctc ccctctcttc 180  
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 <212> DNA  
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<223> Clone ID: 700891756H1

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 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180  
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 ccactgctta cactgtggac aacaaggggtg atcccatgtt ggatgagtcc actgggaatg 180  
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 aataaagaca tacatttcac aacaggtggt attttacaag agaataggta gagttttctt 180  
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<223> Clone ID: 700891683H1

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<223> Clone ID: 700891684H1

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 agctcaagag gttatgaagg gtctttggga aaagaaacaa gcaaagatga agagaaactt 180  
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<223> Clone ID: 700891686H1

<400> 34125

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 aaggaacaaa gatcttctta ttgtttgacc ccaattgatg acacaaaaga aagtgttttg 180  
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 ccgacttctt caagacctcg agaacaatga tgaatgtagg aaaaatggga gcctgaaaag 180  
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 tcatgtggat ggcttgccctt ttcatttgca ttgggtgcat ttgtcttgac atacgtggtg 180  
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<223> Clone ID: 700891705H1



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tgaagagctt gagttgttgg tcagaactct tatagatctg gatgcaatgg atggtaaaca 180  
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<223> Clone ID: 700891706H1

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<223> Clone ID: 700891709H1

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<212> DNA

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<223> Clone ID: 700891710H1

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<223> Clone ID: 700891711H1

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 cggaggctgc aagatgtacc cagacttgag ctacaccgag tcaaccacca ccgagacctt 180  
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 ttgtggacca aaacgctgcg tttccatttc actcacaatc tcaagctaac ccagctctat 180  
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 gctacgacgc cgttcgtgct tttttgaggt gccacagtca tgtttgggcy tggaggacca 180  
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<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700891716H1

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<223> Clone ID: 700891718H1

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 tttgagtcag ggtgggtcttg tagagaagat gacctttgct gtacgtggga aattggagag 180  
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<212> DNA

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<223> Clone ID: 700891682H1

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<223> Clone ID: 700891720H1

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ttatcctcac aaccggaatc aacagtgcct ttgttcttgg atatccaggg accgtcatgg 180  
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<210> 34148

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891721H1

<400> 34148

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cgaatccctc tctcaatctc ctttccaaat ggccagcggt gaggttgcac agcaaacacc 120  
aacaacagtt ccagaaaatg aaacaaccga ggtaagcaag acccaggaaa caacccagtt 180  
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<210> 34149

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700891722H1

<400> 34149

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 ttctgtaa at ctcaagcttt caatattttt tctccatttt tacttgtgaa tctggcataa 180  
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<210> 34150

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700891643H1

<400> 34150

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 gggaggggtca gcatgaggaa gaccgtcacc aagcaggcct cctccggaag cccatgggtac 180  
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<210> 34151

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891644H1

<400> 34151

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 tgggtctgggg aaattgattg tgatgatttc aaggccaagc ttcttagtca ccaggataag 180  
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<210> 34152

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700891646H1

<400> 34152

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gaaaaagcca gttgtagcaa atgggtgcaa tttgttctg ggaagttggg tggttgacac 180  
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<210> 34153

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891647H1

<400> 34153

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gcacacacaa catccctcta aaacattgag ggataaaata aaaaacatga agaaatttgt 180  
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<210> 34154

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891648H1

<400> 34154

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gccaaagattt cgggtgtggtg ggacattgac aactgtcgtg ttcccaaagg ccacaacgcc 120  
aattccatcg ctcagaacat aacctccgcc ctcgtcggca tcaactacgc cggccccctc 180  
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<210> 34155

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700891649H1

<400> 34155

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acaaaaactg tgtcacagag gattgcctca tcggcaacaa tgatttgga tcagaattct 180  
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<210> 34156

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891650H1

<400> 34156

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tttgtggaag tttgaaacca ccaagtacta ctgcacggctc attgatgctc ctggacatcg 180  
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<210> 34157

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891651H1

<400> 34157

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tgagcaaatg agggagtgcc tccgttctct caagcagaac cacaaggagg atgacgctag 180  
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<210> 34158

<211> 226

<212> DNA

<213> Glycine max



<223> Clone ID: 700891653H1

<400> 34158

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tctaattctt ccactacccc ttttcgttat tcttcttcaa ttctcccaa aatcatattt 120  
ttacactctg agtgggtttt cagcttgtgg gtcgatgtca actgtgtcaa aagatgacaa 180  
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<210> 34159

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891655H1

<400> 34159

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aatctctttt tccacatatt ggaccttgat tgaacagat ttgagtagac tcccccgctc 180  
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<210> 34160

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700891656H1

<400> 34160

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ccttggtttg ggtcagagtt gacccttttg tgttgaaaac aaaggggcct gatgtcaagc 120  
aatgtggaat cagctgctga atctacatct catttcttta ctactatgaa gcgtgaaaca 180  
aaaacctagg tgcagagatg aaaatggcag aaaaaaaaaa aaaca 225

<210> 34161

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891657H1

<400> 34161

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 ttccaaattc ttgcatccat agctccttaa tgatgtcaaa cctattttgt tgtctgttta 180  
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<210> 34162

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700891659H1

<400> 34162

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 aaagcaaagg aattgttggg ctgggagcca aaggccaagt tgcgtgatgg tcttcctcgt 180  
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<210> 34163

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891662H1

<400> 34163

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 acaaattatt ctcaatgtgg caggcttctg tataacggtg gcgacaacca tctttttcac 180  
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<210> 34164

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891663H1

<400> 34164

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acactttgta tggatcttcc ttgattgaat atgccacat tgaacagtgg attgattttt 180  
catcattgga gattgatgct aatattatca agtgggatgc cccaagagtt 230

<210> 34165

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891665H1

<400> 34165

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ttctcttcca ttatttgggt acagatcctg ctaatgataa tttcactttt gtggacgaaa 180  
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<210> 34166

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891666H1

<400> 34166

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gtgcggcaac ggctgcggat gctgccagat gtaccagac ttgagctaca ctgagtcaac 180  
caacaccgag accttgggtca tgggagttgc acctgttaat gctcaatt 228

<210> 34167

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891667H1

<400> 34167

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 tccccctcggc ctctccccca agaagatcgg agaagacatc gccaaagaaa ccgccaagga 180  
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<210> 34168

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700891668H1

<400> 34168

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 cggtgtgctc cctcctatc gcctccgttc ctaccgacgt cgacgccgct gcatacctcta 180  
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<210> 34169

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700891669H1

<400> 34169

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<210> 34170

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700891671H1

<400> 34170

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gcttcagatc aatgacctta agaagtcccc tggtccttca gagcgtacgg ttgccacgga 180  
acagactctg gtaatgtttc aggacaatta tccagaaatg 220

<210> 34171

<211> 220

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<213> Glycine max

<223> Clone ID: 700891672H1

<400> 34171

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ggtgattgcc atgttggcga tggtagcaac tggggtttca gctgctgagg cacctgcccc 180  
aggtccttca tccgatgcca ccaccttctt tgtaccact 220

<210> 34172

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700891642H1

<400> 34172

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ttatgtttct gaagcaaaaa atgcattaga aaatcgtgga gaaatcacia tggtatttct 180  
ggggtaaaaa tgggtgtttg aagcctatat catagtagtc ctgctataa 229

<210> 34173

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700891674H1

<400> 34173

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catgctcaaa aagttaagat atcttcttgc tttccatcga aactatgaag cagattattc 120  
tcttttggga tctacaactg gtgtgctaata gaaaaaagggt attcaaaatt tgacttcctt 180  
acaaaacctt tggtatgtgg aggcagatca tgggggcata gat 223

<210> 34174

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700891675H1

<400> 34174

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cgaaggagaa gaaacctaag gctccgaagg aaaagaagcc aaaacaggcc aaaacagctt 180  
cacatcctcc atattttcag atgattaagg aggctttgat cg 222

<210> 34175

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891676H1

<400> 34175

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cgtcgccccg gtttaaggcc tacggaaga ggttaaggcg aacgccttgc gcttggaaaa 180  
tacttgatgg ggaaagggtg cagccttgct actggcgga c 221

<210> 34176

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700891678H1

<400> 34176

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 gaaaaaggaa tcggagatgg aacagtttagc tatggaatgg atgatggtga cgacatttac 180  
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<210> 34177

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891679H1

<400> 34177

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 gctgcaaata atccttatca gcattctatg cagccagggt ctggacaggc tgcacatgcc 180  
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<210> 34178

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891595H1

<400> 34178

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 aggtgggtga ggtctgttgt cagagaggaa tggactgcag aagtgtttga tgaggagctt 180  
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<210> 34179

<211> 208

<212> DNA

<213> Glycine max

<223> Clone ID: 700891602H1

<400> 34179

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gacgttgaac tgacgggtgga ggagcggaat ttgctttctg ttgggtacac agcatgcat 180  
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<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891604H1

<400> 34180

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caaagaactt ctaattcaaa ttccgtatta agaccagct ccttccgaaa ggctccttct 180  
cgcacatctt caatgaagaa caacaacatt gctgagttga aatcatttga gct 233

<210> 34181

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700891605H1

<400> 34181

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gttatatggt gtcgtttagg tacacttcga tgccgtctgg gacgaccagc ttcgcacgtt 180  
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<210> 34182

<211> 234

<212> DNA

<213> Glycine max



<223> Clone ID: 700891606H1

<400> 34182

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acaaggacga ggataataag ccagtagaaa ccgatactgg ttacgacaac acatcatatt 180  
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<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891607H1

<400> 34183

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gtagaaaact ttttaaattt tttgtcagt ggggtgttta attaaccacc tgttcttcaa 180  
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<210> 34184

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700891608H1

<400> 34184

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ctgtaggcag ttgacacagc atctgaagtt gattgggaac ttgctggagc agctcaagat 180  
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<210> 34185

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700891610H1

<400> 34185

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 gccgagcgct acgaggagat ggtggagttc atggagaagg tctccgcctc cgccgagagc 180  
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<210> 34186

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891611H1

<400> 34186

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 gacctgcca aggaagctgc caacttcaca tccaagtca ttatcatgaa ccatcctggc 180  
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<210> 34187

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700891614H1

<400> 34187

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 accaggagat ggagctacgg gacaaggaaa gacttggtcaa gattcgaacc cttggaaata 180  
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<210> 34188

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891617H1

<400> 34188

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gttgcatcac catttatttt gggaactcta tacatagttc ttttaccatg cttcaaaatt 180  
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<210> 34189

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891620H1

<400> 34189

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gtgccacagg cgcggtgtgc atgctatggg aggaatggca gcacagattc caatcaaaga 180  
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<210> 34190

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700891621H1

<400> 34190

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ggggaaaaga gattgggttg atctatggtt cagttactga ggatatctta acgggggttca 180  
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<210> 34191

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700891623H1

<400> 34191

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cccatctcca aaagtttctg acacagttgt ggagccatac aatgccactt tgtctgtaca 180  
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<210> 34192

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700891624H1

<400> 34192

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agcccttgac aatttgggca acttgagaca acaatatgga ttggccaagt caaccaatga 180  
agtattgttg gtcattgagg cttacaaagc attgcgtgac agagcacccc 229

<210> 34193

<211> 230

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<223> Clone ID: 700891625H1

<400> 34193

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tagaggtggt ggtggaggtg gtggtgatca taatcccttg ggttctggag gaaatgatgg 120  
agaaaggcat ggagtggaag aatattacaa gaaaatgggt agggaaaatc ctggggatcc 180  
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<210> 34194

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700891626H1

<400> 34194

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gccattggggg gtgctaaaga agggggatat tgagtttgtg cctgagcttc ctcagaggaa 120  
gaaggatgct attcataggt tggggtttgg gttgttgaac aaggttgcaa tattgtttcc 180  
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<210> 34195

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891627H1

<400> 34195

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tggaagatga agcaagcaac tcttttcttc ttctactct tctactcct ttcctccacc 120  
accatggcca tttcaccagc acctgcagca gcaccaaag ccacagcaaa aactcctcct 180  
accccaaagg caacagcacc atcaccaaaa ccattagttc ccacaatacc t 231

<210> 34196

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891628H1

<400> 34196

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ccacgcgcgg cccactgag tcgaatttca tgcggtggtc cgagaccccc taagagcaag 120  
agaagcaacc tcaattcaga agcgcaagag cttgttcgct tactcacgag caagataaga 180  
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<210> 34197

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891629H1

<400> 34197

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tcacacttca gtgcatccat ggctaccttt gctggggcac aagttggacg gcatatacca 180  
cgtgatacgt ttaaaattga gtactgtact tggcgcctga caccacgtg atg 233

<210> 34198

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700891630H1

<400> 34198

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tgatttagta taaaagaaat tgacacacag tcatgaagtt tatgaaactt ggatctcggt 180  
cggacacctt ttacactgca gagtctggaa ggacaatctc ttctgaagtt tcaa 234

<210> 34199

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891631H1

<400> 34199

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ggcactggat cggatcaaat tctctacaac ttagcatgat ttcaatatag aagctttggt 120  
tcagcaactg aagcattgac tggttctgca ttatacaacc tgaagtggac tttcagatat 180  
ttaggccaac ccgatttttt cctgtccttt gtcacatttt tttatgtggt ttt 233

<210> 34200

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891632H1

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 cctttgcaca tcaagtacat tctaaagttg gctttcaact tccagatatt gatatgaaat 180  
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<210> 34201

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700891633H1

<400> 34201

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 ctcaaggaaac atggcaagga aatatataat gaagttcatg cagcatatcat tgatagcatg 180  
 aacaaggttc ttagtgctca tttccgtgct tatatacaag catgggagaa actac 235

<210> 34202

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700891634H1

<400> 34202

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 catgttcctt agcacattct acaccatgag aagtgatgac ttttcttcac tctgtgggcc 180  
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<210> 34203

<211> 224

<212> DNA

<213> Glycine max

. <223> Clone ID: 700891640H1

<400> 34203

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gagtatgatg gtgggaagga ggagaaactt gaaatggata ttgctcgtga aaggagttag 120  
cgaggtaaat tcagaagaaa gcataggata ataaagcctg gtgcaaatcg cgtggatgga 180  
agatgcccat tgactccatt agaggtggga atgatgctta gagg 224

<210> 34204

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700891593H1

<400> 34204

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caccttttct cattccgatt tcacttgcatt tcatttcac 99

<210> 34205

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700891641H1

<400> 34205

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tagcagtgga gcagattttg cgagttgttt ttctagatcc agagcgtcct tgcctgctt 120  
tggaaaaact gaaccgacag ctggctgatg ctgatgctgc ccttgaggca cgtaagatac 180  
ctgcggaaga tgcaggtcct aaaattatcg gggaagggt cgtcataga 229

<210> 34206

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700891539H1

<400> 34206



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 aataccaagg ccgcctttat caagctcaag tccacaccta gaagactccg ccctctcaga 120  
 gtgggttaatg agaaagtcgt cggatcgcg ttgggaa 157

<210> 34207  
 <211> 219  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891541H1  
 <400> 34207

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 agtagcagat gacactggaa gcaacagtat tgtatcagaa ggtgactgca agaacacaaa 120  
 ttatcagatt tttctccctc caccttatca gaatatatcc tctaccatat gcaaacctgt 180  
 ttggcattca tacgaattga ggtaccaag acgggtgac 219

<210> 34208  
 <211> 217  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891542H1  
 <400> 34208

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 actgtgctga tgggagcatg gggatggaga gtcagggtca gcaacagagc tatgccttcc 120  
 aagaagagtc ttggagccct gataacaact atggccacaa ccacaagcaa tttccaggca 180  
 tgcacatgaa catgaacaac aacaacaaca acaaaag 217

<210> 34209  
 <211> 220  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891543H1  
 <400> 34209

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tcgtcaccaa gaaggaattg cccccacgcc cctcggatcg taaggggaaa acaagcaaga 120  
 ggggtgcactt tgtgaggaac ctcataagag aggttgctgg ttttgcaccc tatgaaaagc 180  
 gtataactga gttgctgaag gttgggaagg ataagagggc 220

<210> 34210  
 <211> 90  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891545H1  
 <400> 34210

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 gtgaaatcct tacatgggaa ggagaaaatt 90

<210> 34211  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891546H1  
 <400> 34211

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 aagaagagtc tgtccgatct gaaaagcagc ggagaagact accctggctc cgactaccgt 120  
 cccaagaca gaaaaaactg gatgtcccat ctgcaccctc agaaactccg catcaaccaa 180  
 atcgtctggc ccggcaccca cgactccgca accaacaaaa ttg 223

<210> 34212  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891548H1  
 <400> 34212

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 gggttaaaaa aggcacatat tcgggatggg gcagcagttg tgcaatatct tgtctggctg 120  
 gataagaaga tgcaggatat ttatggagct tctggttact ttttggagaa ggattctgtg 180



<210> 34216  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891556H1

<400> 34216

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 tggtagagca ttggggcctc tgcttcctcc aagaatcaat tcaagcatgg ctgtgcttgt 180  
 tagtgttctc aaagggggca aagagaccta cgaggatttt t 221

<210> 34217  
 <211> 97  
 <212> DNA  
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<223> Clone ID: 700891557H1

<400> 34217

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<210> 34218  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891558H1

<400> 34218

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 aggaaaatcc ttttaactgg atcaggaggt gctttcagag aatggcctgc tgaaaagatg 180  
 aaagatatta agcttgctga tgcattaaag catocca 217

<210> 34219  
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 <212> DNA  
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<223> Clone ID: 700891559H1

<400> 34219

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 tgccggtggt gtgatgactg tctgatccc taggaacct acaattcaa caagaagga 180  
 acaagttttc tcaacatact ctgacaacca gcctgg 216

<210> 34220

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700891560H1

<400> 34220

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 ctcaactctca cttgaagcgg ctctcctcaa tttgttgcca gcatgcaa atccatctcctt 120  
 tttcctcttc cactcccttt ctgcttgct ccaaccaccc cattaatttt ccctcctttt 180  
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<210> 34221

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 700891562H1

<400> 34221

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 agtggagaaa agtgggaattg acccaaaatt cattccaaag atatggaagc atatcctcat 120  
 ctctgccaaa gatgaagatt gggattggga gaaacaagtt ccctccttgc cctcttcggc 180  
 ctactctctc ctctgttcca acttcaaaac ccctctctct tc 222

<210> 34222

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700891565H1

<400> 34222

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atggtatctt gagcattctt cagtcagcac agatggtaga aaagtaaggc ttccaggaca 120  
gagattgggt agcaacagga cagtaagggt cttaacaaat gtggagtcac tttcactctc 180  
tgcttcggac attgaagaag tcacaatcct tttcacaaga ttcgtgcgga gtccatgc 238

<210> 34223

<211> 162

<212> DNA

<213> Glycine max

<223> Clone ID: 700891566H1

<400> 34223

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gaaagccata ggggtggcaag gtggaagcat ttagctctt gagactctaa cacgtgttgt 120  
ggttgccgga aaccgagcca gggatgctct tgttgcacag gg 162

<210> 34224

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700891569H1

<400> 34224

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ttgggcttgc gttctggctc gaggttgggt tctgtgggct ctggctgggc ctattgtcgg 120  
cccaggtttg ttgtgcgggc ctcattgtgt atatgattgg gaccaccgat tgggagtacc 180  
aggcctgtcg ggcccagtta cttacggccc ttgatgaagg atccga 226

<210> 34225

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700891573H1



<400> 34228

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ggagtactga taattctgat ggtgaactgg acatgttaaa gacatctgaa attcaaaaat 180  
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<210> 34229

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 700891578H1

<400> 34229

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acaatggcgg agacagagac gtttgctttc caggctgaga tcaaccagct cctcagtctc 120  
atcatcaaca ctttctactc caacaaggag attttcttcc gtgaactcat cagcaacgcc 180  
tccgatgctt tggacaagat tcgatttgag agtttgac 218

<210> 34230

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700891538H1

<400> 34230

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acttaaaatg tatggcatcc gagctgaagt ttgccat 157

<210> 34231

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 700891581H1

<400> 34231



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 ggcctctgtg gttcccaggc agcacccctc ctccatggct agatggcagt ttgccaggag 180  
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<210> 34232  
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 <212> DNA  
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 ggtcgtgttg ctatgcttgg ttttgcagca tcactgttgg gtgaaggaat aactgg 176

<210> 34233  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891585H1  
 <400> 34233

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<210> 34234  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891586H1  
 <400> 34234

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 aggcacaaga tagaagagga gggtgcagca gcagctgcag tcgggatctg gtgggtttgc 120  
 cttccatgaa catcatgaga aaaaggaagc aaaggagcaa gatgaggaag ctcatggaaa 180

gaagcaccac catctctttg gctgaagcat aagcaaccaa tt 222

<210> 34235  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891587H1  
 <400> 34235

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<210> 34236  
 <211> 70  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891588H1  
 <400> 34236

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 ttacgcatca 70

<210> 34237  
 <211> 216  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891589H1  
 <400> 34237

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 gccctgatga tggttacata aaagttcact actgtggaat ttgccattct gatctccacc 180  
 agattaaaaa tgatcttggc atgtccaact atccca 216

<210> 34238  
 <211> 210  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891592H1

<400> 34238

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gcaggaggag actgcaaaac tttaatgttt gtgcaagtaa gtccaagttc ggcagacttg 120  
ggagagacac tttgctcggt gaattttgcc acccgtgtcc gtgggatcga gagtggccca 180  
gctcgcaagc aagtagacca cactgagctg 210

<210> 34239

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891493H1

<400> 34239

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ctgaaaataa ggtacatagg attgtcggaa gctagccctg acacaattag gagggcacat 180  
gctgttcac cccattactgc tgtgcaacta ggagtgggtcc ctttggactc gtgaaattg 239

<210> 34240

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700891494H1

<400> 34240

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ttcagaagga atatagagcc ctttgtaaag agccagtttc tcatgttggtg gctcgtcctt 180  
caccgagtga tattcttgag tggcattatg tgttgaggagg aagtgaagga acacct 236

<210> 34241

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891495H1

<400> 34241

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 atataaaagt tgagaactca acacaacaat taccagaacc aaaattgagc ggggcaggaa 180  
 aggttcagga ctgtaaccag ttcttactta ctatagggga gcacaaggaa tcattctag 239

<210> 34242

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700891496H1

<400> 34242

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 ctatgaccac catcaccatc accatcaatc accaatacta tactatttac taccatacaa 180  
 aatgcatacg gtaaaagcag ttgtgtcaag gaagtggggg aggcattctc ccttcttttg 240  
 tt 242

<210> 34243

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891501H1

<400> 34243

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 acaccaacaa cagttccaga aaatgaaaca accgaggtaa tcaagacca ggaaacaacc 180  
 ccggaaccag taccagccac tgaggctcct gcaacagaac aagcagcagc tgaggttcct 240  
 gctcaagaag 250

<210> 34244  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891502H1

<400> 34244

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 ccggtgggca cctcgggagg tttgtaattt ggaccaagag cgctttcgag aagttggagc 120  
 caatttacgg gtcttttgat aagccctcgg agaagaagaa gggatac 167

<210> 34245  
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 <213> Glycine max

<223> Clone ID: 700891503H1

<400> 34245

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<210> 34246  
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 <213> Glycine max

<223> Clone ID: 700891505H1

<400> 34246

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 tcctcactac taaatccgga ggcatcacca ttcttgcccc agatg 165

<210> 34247  
 <211> 231  
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 <213> Glycine max

<223> Clone ID: 700891506H1

<400> 34247  
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 actccccgat attcccatcc ccacacatct cccattgtac tcttactgct tccaaaactt 120  
 gtcaaagttc catgaccgtc catgcctcat cgacggcgac accggcgaga ccctcaccta 180  
 cgccgacgtc gacctcgctg ctgcgccat cgctccggc ctccacaaaa t 231

<210> 34248  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891507H1

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 tcctggagtt cgagttccgc ccagacggca agctccgcta cgccaacaac tccaactaca 180  
 aaaacgacac catcatccgc aaggagggtt acctaaccctt cgccgttctc c 231

<210> 34249  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891508H1

<400> 34249  
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 caaggaaatc gccctcccca acggccttct tccctca 158

<210> 34250  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891509H1

<400> 34250

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 tgctggtctc accggccgca agatcattat cgat 154

<210> 34251  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891510H1  
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 aacacagttg actccgtgtc ttccggcaat taattcaggt tctgcacctt cgagtgcttg 120  
 ttgccagaag ctgaaggagc aaaagccatg cttctgtggc tacctcaaaa accctagctt 180  
 gaagcagtat gttaactctc ctaatgccaa aaaaaccgtt c 221

<210> 34252  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891511H1  
 <400> 34252

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 agattgacga acgcagcatc gaggatctta ggcggaaacg gcgtcgttta ccgatccgta 120  
 gcttctctc ttgcctccg ctccggcatg ggcctccccg tcggcaaaca ctatgttccc 180  
 gacaaacccc ttcccatgaa tgaggaactc ctgtgggaca acgg 224

<210> 34253  
 <211> 222  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891512H1  
 <400> 34253

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gccattcctg gatcggactc gaaggagttg agttacgagt gtttcaacaa gagtgatgag 120  
 gtgggagggg gttctgtgtt ccctgtggat ttcaaagatg ggtcttctga tagcgactca 180  
 agtgcgatct tgaacgagga gaacaacaac cacagcccca ac 222

<210> 34254  
 <211> 221  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891513H1  
 <400> 34254

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 atctccggct tcaaagccaa caacgccgcc tcgctccccg gcaaagtcgg agtctccatc 120  
 ccctacaaga tcagcacctc caccaactgc gctaccatca aggtttgaag agaaagtcât 180  
 ggacgcagga aaccggaaac tactcactag tatatgagta g 221

<210> 34255  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891515H1  
 <400> 34255

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 caacaaacaa attgctcctc ccttcctcgc tatttcttgt ctcgctccaa ttctactgat 120  
 acttacagtg atattttacaa catggatcca taccaagctg gtcaatattc aggtcatcgg 180  
 aatttattta tttgttatcg gtaaagatta gttgttagtt t 221

<210> 34256  
 <211> 231  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891516H1  
 <400> 34256

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tgatatattt aatagccaaa gatcagcatg gctgtagatt cctgcaaaga atatttgacg 120  
 agggtagacc ggaggatggt caagtgatat ttaatgagat aattgatcat gttgcggaac 180  
 ttatgatgaa tccttttggc aattacctaa tgcagaagtt gttggatgtc t 231

<210> 34257  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891517H1  
 <400> 34257

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 cactgctatg taccggcgca aagccttctt gcattggtac actggggagg gtatggacga 120

<210> 34258  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891519H1  
 <400> 34258

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 gggtaaagcc aatgattaga ggcatcgagg gcgcaacgcc ctcgacctat tctcaaactt 120  
 taaataggta ggacgggtgcg gctgctctgt tgagccgcgc catggaatcg agagctccaa 180  
 gtgggccatt tttggta 197

<210> 34259  
 <211> 129  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891521H1  
 <400> 34259

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 aaagtcattg aaattgaaaa tgaaatcttc ttcaaacata tctgatgagg gagttagcag 120  
 gatagtaga 129

<210> 34260  
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<223> Clone ID: 700891523H1

<400> 34260

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 ttcgccgtcg atgaacacaa caagaagcag aattcactt 159

<210> 34261  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891525H1

<400> 34261

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 gttaggggcc acattgtgag aaagcaaagt gctgatatgc tgaggcgcat gcaaacattg 120  
 gtgcgacttc aggcccaggc acgtgcaagc cgtgcgactc tgcggatcc ttctttcaac 180  
 ttcaactctt ccctttctca ctatcctgtc cctgaagaat at 222

<210> 34262  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891528H1

<400> 34262

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 aagggtggcc taagaggaga ggctatgaat ttggtatctc ccaatggagt ctcgtctgtt 120  
 gactgggtcc aagagtcaca agctactcaa agccgggtcac aattaaaatg gtacaaggca 180  
 tattttgatg caccgggggg aaaggaacca ctggctttt 219

<210> 34263  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891529H1

<400> 34263

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 gctctcgtga gatgctaata gtcaatgatg caaccaagag tctggtggct gctgttagta 120  
 atcgccctgag tgcactctgc tttcacatga gagagtatta ttgggttgat atgaagaaga 180  
 ttaatgaaat ttaccggtac aagacagaag agtattctac tg 222

<210> 34264  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891530H1

<400> 34264

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 atgcgcctct tctccaccac caccacagcc accgcgttcg ccgtcacttt acccaaacc 120  
 tcatcactct ccctctcatc gcgtcgattc ctct 154

<210> 34265  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891531H1

<400> 34265

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 gccgaagtgc ctataaatgt aaccacacaa caaatgcaa gagagacagt gaatcaagg 120  
 gtgttactga atacaaatag aaacactcga gtacagaata atcctacaac gtggctgaga 180  
 aatgcagctg aagattccac agcagaatct tcaagtagta ctaggagag 229

<210> 34266  
 <211> 277



002222-ETTES60

<212> DNA  
<213> Glycine max

<223> Clone ID: 700891537H1

<400> 34269

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aacgccaacg caaacgcaaa cgcgataag agcgagaaca ttctcttcag ctcaaccctt 120  
ttcttttttcg atggctaatac ggacacagat tattctaatac c 161

<210> 34270  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891455H1

<400> 34270

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ccaagcttcc ttctctctcc gctccctcct ccgccgacga ccaatccgag ttcatctacc 120  
tcgcctggct ccgttccaag ttgacgagt tcctcaagtc cctcctcgac gccctcgctt 180  
cgccgcaggg agatgagacg ctcaaggaac tcgtgctgga cacgctcatg gagtttgtca 240  
aggtcgccaa t 251

<210> 34271  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891456H1

<400> 34271

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tggtaccac taaagtttac attgtttact attctacgta cggacatgtt gagaagttag 120  
ctgaagagat taaaaaggga gctggttccg ttgaaggtgt ggaagcaaag ctatggcagg 180  
tacctgaaac actttctgaa gaggtccttg ggaagatggg tgcacctcca aagagtgatg 240  
taccgattat t 251



gaaagatctt ttctggtata ccagggataa aaagtcccaa aatgcagaaa tggaggctgc 240

aa 242

<210> 34275

<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: 700891463H1

<400> 34275

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taagcttgca gttctgtaat atatatgttt tatgggtact tcgtcggtgt aaatcaaacc 120

tttgtcttat aataataaat atcaaattgt tttggcttc 159

<210> 34276

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700891464H1

<400> 34276

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agatttgctg aaggaaagaa ttagaaggta tgagcaatac aaatggcaag aaaatagggg 120

tgctgaagag gagacattga ttcgcaacct ccctaaaaga tactacagaa ggggata 177

<210> 34277

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891465H1

<400> 34277

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agatcagtta gaagccccta ttcacgcagg aaatggagag tacttaatag agttagccat 120

tggtcacca ccagtgtctt accctgcggt tttggacact ggcagtgacc ttatatggac 180

acagtgcaag ccttgcacac ggtgttacia acgaacaaca cccatttttg atcccaagaa 240

gtcctcttct

250

<210> 34278  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891466H1

<400> 34278

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ctctccgccg ggctagcggc tccgccggag agcaccgcag cgccttcgc cgcgctcagc 120  
agaaagcgtt tccgaacgaa gttcagtcag gacgagaagg agaagatgca caagttcgcg 180  
gagaaagtgg ggtggaagat tcagacgcgg gacgaggatt tgattcacga gttctgcaac 240  
gaggttgggg tc 252

<210> 34279  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891467H1

<400> 34279

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tgacgtcttg aagaaaaaac atgcttctgg aacgtataaa aacctagtat tttatctgga 120  
ggcatgtgaa tctgggagta tctttgaagg tcttcttccc gaagatatca atatttatgc 180  
aaccacagct tccaatgcag aagaaagtag ttggggaaca tattgccctg gggagtatcc 240  
tagtc 245

<210> 34280  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891468H1

<400> 34280

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catcatcacc gttgatttaa gaagatgccg atcagaaaca tcgccatcgg taggcctgaa 120  
 gaggctactc accccgacac gtttaaggcg gggttggctg agttcatctc caccttgatc 180  
 ttcgtgttcg ccggttcagg ttccggcatc gcctacaaca agctcaccga caacggcgcc 240  
 gccactc 247

<210> 34281  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891469H1

<400> 34281

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 aaaatatgct ccattgcccg aagaaaatct tggagaaact tctgacttaa ctaacaataa 180  
 tatcacgagt tctgacaatg aacctagtga ggatgataaa gatcaccacac gtacttggtc 240  
 cacg 244

<210> 34282  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891472H1

<400> 34282

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 cactcagtgg aaacgagacg acgctcaaaa acacttgcag tactgggaag aggggtttttt 180  
 cggatactcg cgtggatttg aagcttaacc tttcctcaac ctcaaataac gccctcctc 240  
 ctgcaaagc 249

<210> 34283  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891474H1

<400> 34283

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 gaagagcttc ccccttctcc gccagtatcc aagaggctcc gctgttcctc ctcccctatt 180  
 cgcctctctc tcccttcctc catcgaccac cttcgctctc tcttcctca tatggatga 239

<210> 34284

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700891475H1

<400> 34284

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 ccacgcctac accatatgcc ccgccaccgc ctccgtccgc ttcctctccc ggcggcgttt 120  
 cgaaggcggc ggagttcgtg atctcgaagg tggacgatct gatgaactgg gcccgccgcg 180  
 gctccatctg gcccatgacc ttccggcctcg cctgctgcgc cgtcgaaatg atgcacaccg 240  
 g 241

<210> 34285

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891476H1

<400> 34285

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 tctttgatca cgatgtggtg gtgcaacaag atctcagtgg actatggaat gccaatatga 180  
 aaggaaaagt aattgcagca gtgggcacct gtcaggaagg tggaacctca tttcatagg 239

<210> 34286

<211> 237

<212> DNA  
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 <223> Clone ID: 700891477H1  
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 catcaacata tataatgctt ttagtagcaa gtcataaata caagctgggtt ctctcatttc 180  
 tcccccttcta ttgttttttt tatatgtata gaaaatttta tttggggaga gagggta 237

<210> 34287  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891478H1  
 <400> 34287  
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 cccttttctg agacacaaac actctcttcc tgttccacgc ttccaatggc ttcattgtagt 180  
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 tc 242

<210> 34288  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891479H1  
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 agagagctca agttcgtctt cgagtctttc tgggatggca agagcagcgc cgaggatttg 180  
 cagaaggtgt cttctgatct cagggcatcc atctggaagc agatggctga tgctgggatc 240  
 a 241

<210> 34289  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891480H1

<400> 34289

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 gactgtggaa gagatacaag tagaccctcc caaagccacc gaagttagag ttaagatgct 180  
 ttgtgccagt atatgctcca cagacatctc tagcacaaaa ggattccac atgttagaat 240

<210> 34290  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891482H1

<400> 34290

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 gctttgggcc ctctgcttcc accaagaatc aattcaagca tggaaatgct tgtagtggt 120  
 ctcaaagggg gcaaagagac gtacgaggac ttctttatgg gaatggctca cttcaaagac 180  
 atagcattgg cacatatttt ggcacttgag aacaagaaag cagcaggaag gcacttggtg 240  
 gtgga 245

<210> 34291  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891484H1

<400> 34291

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 gatcaaaatt tcggccgact cttcatatgt tgccaagtgc ctattgtatc ctgcatgatt 120  
 acaatctctt gggagctctt catagcacat tggaagacct gacgatcagc cagcatggt 180

gtcgacgttg tcctccacag tgtgggcgga attggacaac tacaaaggct ttccgagacc 240

attggc 246

<210> 34292

<211> 142

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700891487H1

<400> 34292

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ataggcaagc aaaagcatat tacgtaatga tggcaaccat nggaagacat tgaacaacat 120

gacgtggtcg aaagttacaa ct 142

<210> 34293

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891489H1

<400> 34293

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aacggctgcy gaggtgcaa gatgtacca gacttgagct aactgagtc aaccaccacc 120

gagaccttgg tcatgggagt ggcacctgtt aaggctcaat ttgaggggtgc tgaaatgggt 180

gtgcccgtg agaacgatgg ctgcaaagt ggaccaaact gctcctgcaa ccctgc 237

<210> 34294

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 700891490H1

<400> 34294

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aaagataccc ttaattcgca ggcgcgtctt gtgttggaaca acaaccacaa gatgattaac 120

ttcgaagaaa ccgagttgcg actcggcctc cctggcaacg actcagcact ccaaggaagt 180  
g 181

<210> 34295  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891491H1

<400> 34295

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atgcttcttg ctgccattac aacaattttc ttggcagctg aaaagcagtg gatgatgctt 120  
gattggtagc caaggcgacc tgacatgctt attgaccctt ttgggatagg aaaaattgta 180  
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<210> 34296  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891453H1

<400> 34296

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atcattttcc tatacagata tctccgttga aacttaaaca caaatttccc gaaagtaata 120  
cacaagatat gaagtttttc ctaatagggg gatcgaagga aactagtaga acgaagaaag 180  
ccttcaaaaa tcaaatagaa tttccaccac ataaaacctg aaacttgatt cattatagag 240  
aga 243

<210> 34297  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891416H1

<400> 34297

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tcttcccaca ttagcacaaac caggtgcttt tgctccacct ccacccaaag acaaagtcac 120  
 tatcttgggc gatggaaatc ctaaagcaat tttcaacaag gaagaggaca ttggaaccta 180  
 caccatcagg gctgtggatg accctaggac attgaacaag attctctacc tcaggccccc 240  
 taagaacatt ta 252

<210> 34298  
 <211> 247  
 <212> DNA  
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<223> Clone ID: 700891417H1

<400> 34298

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 tctctttcac ttcggccatg cccgttctct cgagcaagcc aaaaaactgt ttccgaacac 180  
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 catgact 247

<210> 34299  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891418H1

<400> 34299

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 aaaaaaatct gggacgtatc gtccaaataa ttgggtccggt actagatgta tcttatcccc 180  
 caggtaggat gcctattatt aacaacgcgc tgatagtaaa gggtcgagat actgttggtc 240  
 a 241

<210> 34300  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891419H1

<400> 34300

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cttagctggt gttttgatca tgacactgta caaaggaccc gttatgagaa atttatggca 180  
tccactaatc catattccag ggaaaagtgc tgctataaat gaagactggt taaagggttc 240  
a 241

<210> 34301

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700891420H1

<400> 34301

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tcatggtggt agcatgggta tcgagagtgt ggtggataag aatgaaaaaa aatcatctgg 120  
tggcattcgg gatgctgggt gttctgcatg tgagatggct gttatttggga tgcagaacca 180  
gctgaggcag aatcagacag aagataggat aatagactat gccaatgagc tttgtgaaaa 240  
at 242

<210> 34302

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700891421H1

<400> 34302

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tccggaagcg accatggggc cgctacgccg ccgagatccg tgaccccggc aagaagaccc 180  
gcgtctggct cggcaccttc gacaccgccg aggacgccgc ccgcgcctat gacgccg 237

<210> 34303



<211> 249  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891425H1  
  
 <400> 34303  
  
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 aatgagaagc tgaagagtcc gagtgcgcct gtcattgggt tggttttgca gaggagtcac 180  
 attgtgactg gtgatgatgg acactatgtg gctgtgatta tggagctgga ggctagaggg 240  
 gctaaggtc 249

<210> 34304  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891426H1  
  
 <400> 34304  
  
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 ctatccatt gcaaagactc tagcagagaa agcgggttgg gaatttgcaa aggagacagg 180  
 ttttgatgtt gtcataata accctggtag agctttgggc cctctgcttc caccaagaat 240  
 caattcaag 249

<210> 34305  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891428H1  
  
 <400> 34305  
  
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 gaaacagatg ctcccggggc aaaagagtat gtgcatatgc gcatacaaca gaggaatggg 180

aagaagagtc tgaccacagt gcaagggctg aagaaagagt tcagctacga gaagatcctc 240

gaaga 245

<210> 34306

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891429H1

<400> 34306

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gttgagcaag ggcgggaagc gccttgtgcc agtgggtcta ggtgatgatg atcaatgcat 120

tgaggacgcc cgtactgcat ggaaagaaga actgtggcca gcattggatg aattgcttag 180

agatgaggac gatgcaactg tgtctacacc ttatactctc agttttagga gtaccggggt 240

gttattc 247

<210> 34307

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891432H1

<400> 34307

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ctccttatta tatatagaag gatggtgatg gatgggttgt actcacatga tatctgtgat 120

agggtcattc tgctgaaacg ttagggccac tgctggcgtg caaatttcac tgagacatag 180

gttgaccagc tggcattctg atattcaagg gaacactgtt gaagaatgag ttatgtaga 239

<210> 34308

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700891433H1

<400> 34308

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tccgcgagct gcagcaaaca cagaagatag cttggagata gatcaagcgc cagtactctt 120  
 ccgcttccgg tagaaacctg ttgcagggac cgctttctcaa gagatctgaa accctgagaa 180  
 aatggaacga gcgttggggg atcttggacc cgacaacggg gagaatcgaa tacaagataa 240  
 gaagaaacga accttctgtt aa 262

<210> 34309  
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 <213> Glycine max  
 <223> Clone ID: 700891434H1  
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 agataatgtt caacggagcc gcttgggtggg ttcagattca gaagcagagg gagagggtgt 180  
 ttgtgattgc aagtgttggg gaattcaaaa gagagagtaa gaagagtgtg catgaacatc 240  
 atgagtagta gtagaa 256

<210> 34310  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891435H1  
 <400> 34310

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 cgggtatgctt cttttaattt tgcttctgtt ttttaatccc ctttgttttg aatcctatcc 120  
 tacattctcc ccatattttg gtgaagattg attattagat ttatagaatt gcttttgaac 180  
 tttgaggcta ctcatgtttt taatgtatga gctttcagat gtgtgaaaac ataaagcagt 240  
 tgggcactat gaaa 254

<210> 34311  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891436H1

<400> 34311

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 agatctgcaa catgcataag tttttggtca aagacacatg acacatccct ggatctgttg 180  
 gtgagaactg ccactgcaaa aaaaaatggt atttgtgggt ggtgtttgta gataacaacat 240  
 atgttttgag 250

<210> 34312

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700891437H1

<400> 34312

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 gcatcatcca catggtgcat gacagagctg acaaagatcg ttgattgggt tcaagaaaca 180  
 ggtccaagtg tgctccctgt tttctatgat gtcactcctt cggagggttcg aaaacagagt 240  
 ggacagtttg ga 252

<210> 34313

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700891439H1

<400> 34313

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 gcctcccatc acattcgtgc atcacccttg gaggagtggg aagggagaat gaatgttggc 120  
 atgtctaatt ctgtgacgac agcaattcgc agcagtgttc gagacttggc cattgggaag 180  
 actaaaacta ctgagaaagc agaccgggct actgttgagc aggcaattga tcctagaacg 240  
 cgcattgtct tatt 254

<210> 34314  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891442H1

<400> 34314

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 tccccaagaa gatgctgaag ctctcagaga ggcttttgaa ggatggggaa ctgatgagaa 120  
 cactgtcata gtaatcccggt gtcatagaac tgtgtatcag atgcagtata tcagaagagc 180  
 ttatgaggta atttaccatg aggatcttgt gaagcgtcta tattctgaga tcaaaggaga 240  
 ctttg 245

<210> 34315  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891443H1

<400> 34315

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 attatagtta ttgtctgtta tctacccgat ttcagaggat gaccatataa ctggtaactc 180  
 catgtcaaaa ctcagatatt cttgttttagt tgggatgata ttcatatatta gtatgacggc 240  
 aat 243

<210> 34316  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891444H1

<400> 34316

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ctgcacccag ggggtgttcct cagattacag tgtgctttga cattgatgcc aatggtatct 180  
 tgaatgtctc tgccgaagat aaaaccactt gccagacaaa taagatcact atcaccaatg 240  
 acaaggggt 248

<210> 34317  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891445H1  
 <400> 34317

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 ctatgtgcat tctaaccgtc aatttttccg tgaatgcaac atttacggca ctgtagactt 180  
 catatttggc aatgctgccg tggttttcca aaagtgcaac atttatgctc gtaagcctat 240  
 g 241

<210> 34318  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891447H1  
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 ggaggaggcg gcgaaccga tacgaatggt gtctggcgtg gaggcggagg tggttcgggt 180  
 gatcggggag tgccggcgtg cgttgaagtt tgctaggttc gtgagcaggt tcgggaagag 240  
 tt 242

<210> 34319  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891450H1

<400> 34319

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 tgatgaggaa gacaatcttt atcagggtat caacaagtat cgagcatcgt taaacttgaa 180  
 agctctaaca aggaatgaca atgcagattg ccttgctgaa aaaatagctg accaattcaa 240  
 gaaacaaccc tgc 253

<210> 34320

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700891451H1

<400> 34320

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 cgtttgccga ggcgagagaa tcggatgcc cggagcaaa ggagtatgtg catattcgaa 180  
 ttcagcagag gaatgggaag aagagtctga ccacagtgca agggctgaag aaggagttca 240  
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<210> 34321

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700891452H1

<400> 34321

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 gatggagact ttgccgagct ctacatgttc aaatggacca acctactcaa ctgccgcaca 180  
 aaccttctca taataaacat gattggggta gttgccggca actcctatgc catcaatagt 240  
 ggctaccaat 250

<210> 34322

<211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891415H1  
  
 <400> 34322  
  
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 ctccaagagt gaccaacgag gctgttcaga aggctgctgc tgcattgaag ggttcagatc 120  
 atcgccgtgc aacaaatgtc agtgccagac tggattctca acaaaagaag ctcaaccttc 180  
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<210> 34323  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891363H1  
  
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 tttattattg tgtattttatc tcttccattt acaaaaaaaaa aaagtttgtg taggtttcct 180  
 tctttgaagt aaaaagaaat taaatatgta ctgaaaatgg aataatagtg tgtttt 236

<210> 34324  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700891365H1  
  
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 tattaaagtt tgaagaagaa agcaaggtgt agcgggactt tcacgttatt gatgtcgaag 180  
 ttccagggca atatttcact gaccacgaaa ttgcaccaga tcataccgtg aagttggata 240



<210> 34325  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891366H1

<400> 34325

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 gatgcgacga cgggctgccg agtatcggcg cccggcacga cggaggtttt catattggat 180  
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<210> 34326  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891369H1

<400> 34326

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 cctggaacat ggcattccagc ccgatggcat gatgccaaagt gactcctcct tcggtgtagc 180  
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<210> 34327  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891374H1

<400> 34327

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 gaaccaaca agcccttaac tgtccaagac gttcaggtgg ctccgcctca ggccggcgag 180

gtccgtgtcc aaatcctctt caccgtctc tgccacaccg atgcttac

228

<210> 34328  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891382H1

<400> 34328

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tttgcagaat tatgtctaata gcaaatgata aatcgagaga gagaggccat aaggatgaatt 120

ttccattaca gtggtcaaat gcaaatgcaa ttatgtaact tttttaaaaa agaccctgag 180

tattaaatca ctgaacagga ttttaatttag atgtttcgca acatagaact ggtgt 235

<210> 34329  
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<213> Glycine max

<223> Clone ID: 700891384H1

<400> 34329

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tggttctgct gacttcaaga ctgagttgag tcagtcagat atgtttgacc ctcgattgca 180

agcaaaaata ttgaatgtgg tagatgtttc ttatggtggg gaaaatggat tca 233

<210> 34330  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891385H1

<400> 34330

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gcctgcaagt gcggcaacgg ctgcggaggg taagatTTTT gttgtgtcac tgttgcttca 120

cacttcgaaa aattgagttt ttccgggaaa attttcttct tgggtttttt atgggctttt 180

ttgggtaccc ttttggttga attgcatgaa aaaattatgc tttgtttatt ctt 233

<210> 34331  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891386H1

<400> 34331

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aagaccggtg gcgccggcaa aggtcgact aacatgcgcc gcaccgtcaa gagtgctcct 180  
cagagcattt ggtatggccc tgaccgtccc aagtacttgg gtccattctc ggg 233

<210> 34332  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891387H1

<400> 34332

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ggcaattgga cttcaagact gtggcctcgc taccgggcag aaaaagggg atcaagcaaa 180  
aatttgcagg agcaaaagcc ttcagttgag tacttacgat acagacaag 229

<210> 34333  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891389H1

<400> 34333

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gtcattttac taaaaccac aagaggttta tggtgcaatg aaaaattga ctgagctgac 180

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229

<210> 34334  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891390H1

<400> 34334

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tgtgtgtgcc atgtccttag ctccaaacgt gtccaaagct ttacctca 228

<210> 34335  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891392H1

<400> 34335

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actggagacc aagtcaaaga taagactcaa tccaaaagat taagtgaaca agatcaagtc 120

aatgtaaaat atctctcttg ataagcaata agttaatcaa ttaattaaag gtatatacct 180

tttgaaatat caatacaata aaatctctgt tgctcttttc tagcatt 227

<210> 34336  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891393H1

<400> 34336

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ggagttagag cccatgatag ttggaagaaa ctttttggtta aaagtaaag ccaacattgg 180

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227

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<223> Clone ID: 700891396H1

<400> 34337

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<213> Glycine max

<223> Clone ID: 700891402H1

<400> 34338

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cagggaaacc cactgggata acagtgttac aaagcattgg ggtaggactt ttcttgtcaa 180

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gt 242

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<223> Clone ID: 700891403H1

<400> 34339

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ctgctgctta tgggtgcttac cccctttatg gagggcacca acaacaagta agctgaatga 180  
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<223> Clone ID: 700891404H1

<400> 34340

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 gggtttttaa ctctattcga tcggcgattt cgaatactcg gaggctcgaa tcgtgttggg 180  
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<223> Clone ID: 700891405H1

<400> 34341

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 tcttgggagc tcttttttagc atatgggaag aactgagatc agcaaagtca tgggaagaag 180  
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<223> Clone ID: 700891406H1

<400> 34342

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0953113-03200

actgagaatg ttgatcaacg ttttgaggca cttgggtggc atgtaatttg ggtgaagaat 180

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<210> 34343

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700891408H1

<400> 34343

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agaagatgct cctgatgatc tagaagggtt ggatgcttca tctgcacatg ttgcgaattt 180

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<212> DNA

<213> Glycine max

<223> Clone ID: 700891409H1

<400> 34344

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agaacaaaga gacagagaca gggacaaaga aagaggcatt gttgttcttc aatccaaaaa 180

tcatagcggc atgggtgcat tctccttttt catcctctgt tccttaatcc tcctcgtaca 240

accttcttct tcttcca 257

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 gagtcgccgg attcggtcgt ggtttgctct ctctcccggc gcagtggcca cgttatctcc 180  
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<223> Clone ID: 700891412H1

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 aatctcaaatt ctgaaattaa tatattttga agctatgggt gtatatttta atgttattga 180  
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 aaggttat 248

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 <212> DNA  
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<223> Clone ID: 700891413H1

<400> 34347

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 tcaaacctga gggatatgat tcgatcccaa gagaaattcc tgacccaaat gctaaagagc 180  
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 catataa 247

<210> 34348  
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<223> Clone ID: 700891414H1

<400> 34348

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 tgctcaaggg tcggaaactg agggaggcaa ataattagtc atatcgaggt tgagtaatac 180  
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<210> 34349

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891362H1

<400> 34349

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 aaggttttgt tgggtggtgag tctcaaaaac cacatccaga aatgccctct atttcttttc 120  
 aaattcctat gccagggagg aatcgatctg gtggtctcta cccttgggga tggaggcaaa 180  
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<210> 34350

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700891314H1

<400> 34350

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 aggtgggttg cgcgagcac gggatcgacc ctaccggaag gtacgggtggg gactcggagt 180  
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<210> 34351

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<223> Clone ID: 700891315H1

<400> 34351

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 cagacctgga taccctgaat gaggattctt acaaggacag taccttgatt atgcagctgt 180  
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<210> 34352  
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 <213> Glycine max

<223> Clone ID: 700891316H1

<400> 34352

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 caaactcctt ctttgaccg gtttccacat aacctttgtg aacaccgagt tcaaccacaa 180  
 gcgtttgggg aaatcccctg ggcaaaaatt tgtccagggg caaccttctt ttcgattt 238

<210> 34353  
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<223> Clone ID: 700891317H1

<400> 34353

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 aagtatctgt cccgcgggt ccttctcga tttcgtctta gggtttccag attccacttg 180  
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<223> Clone ID: 700891318H1

<400> 34354

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 attcatattc tttcgttctc ctagaaattc aggataccat caaatctcca ccatctgaag 180  
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<223> Clone ID: 700891319H1

<400> 34355

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 acgtaaaaag tcgcogaacc ggcttgttgt ggatgaggct gtcaacgacg acaactccgt 180  
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gacagtgaag gggaagaagg tgtgtgacaa aggggtgggag tgcaagggtt ggtctgctta 180  
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 gaag 244

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 gttcacggaa tactagccat caatatcatc aaccccttc ctatgatgga agttcagcga 180  
 atactagcca tcaatatcat caaccctcat catatgctgg gagttcgggtg aataccagac 240  
 at 242

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 ttcttccgc gtcgcaccca ccaccaagtt attctcatcc aaacaaggca caatctccat 180  
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 ca 242

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<400> 34359

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 cttttggtga aatgtttcat gtgcctgcaa agcgatattt ttgagaaata tgtaagaat 180  
 tgggttgcaa tttgtgcgcc attccagggt gcaccaggaa ccatcaattc taccttttta 240  
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<210> 34360

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<212> DNA

<213> Glycine max

<223> Clone ID: 700891326H1

<400> 34360

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 ctcacccttc aactccacc tctacagtt tgcttatgct ttagccattg gtttctctaa 180  
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 ag 242

<210> 34361

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700891327H1

<400> 34361

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 ttttacaact caaattttgc gttcgcttca cttcctctgg aaatctcttt ctattcgctg 180  
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<210> 34362

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700891328H1

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tcaatgccct tattaagatg catggcaacc gaggaaagtt tgccgagatg atgaaagttt 120

ttgatgatat caagctctgc aattgctccc ctgatattgt tacttggaat acccttttgg 180

ctgtctttgg acagaatgga atggactctc aggtctctgg aatatttaag gaaatgaa 238

<210> 34363

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<223> Clone ID: 700891329H1

<400> 34363

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cagattactg caagcatcaa accattctag cccttgtctt ctgcagcatg gtgaaccttg 120

tactgccata aatgcagggt ctgtatctgc tgatgataga gttcgagatg aatctatggt 180

acatgcatcc aatatattat gtaatggatc tcctgaaaaa ttggtcagca gcagctccta 240

tggtct 246

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<400> 34366

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 tctacgccga cgctactccc cgcaccgccg agaacttccg cgcgctttgc accggcgaga 180  
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<223> Clone ID: 700891339H1

<400> 34367

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aaaccgccgg cgctgattac gaatttttcg agtccttgcc ggacgacctc gtaatctcca 240

t 241

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acgtcaaggc caagatccag gacaaggaag gaatcccccc ggaccagcaa cgtctcattt 180

tcgccggaaa gcaacttgag gacggccgta cccttgctga ctacaacatt cagaaggaga 240

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<223> Clone ID: 700891343H1

<400> 34369

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gattatgaac tgccaaagac ttccctaccg gtcgaccgtg ctcttggttct cagcaggatt 180

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<400> 34370

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 taaccaccac ttgtcctctt cttctacctc cggatttgcc gcgtttggca aaaacggctc 180  
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<223> Clone ID: 700891349H1

<400> 34371

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 atgactgcaa gttgaggttt ttggagctga aggcaaaaag gacacaccgt ttcatagttt 180  
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<223> Clone ID: 700891353H1

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 gccctttctg cgtcgatgtg aagaagctct tcggtgacct cggtgccaat tacaaggcca 180  
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<223> Clone ID: 700891354H1

<400> 34373

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 <223> Clone ID: 700891359H1  
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 <223> Clone ID: 700891273H1

<400> 34376

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<210> 34377

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700891276H1

<400> 34377

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 gcaatggctg aaccttccaa ggtcattcac gttcgaaatg tggggcatga gatatctgaa 120  
 aatgatttgc ttcaactatt tcagcctttt ggagtaataa caaagcttgt gatgttgctg 180  
 gcaaaaatca ggctcttctt caaatgcaag atattccttc tgcagttaat gctttacaat 240  
 tttatgcaaa tgct 254

<210> 34378

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700891278H1

<400> 34378

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 ttaaaaactcg ttttgaggga tctaaacagg gtgttattgt gccacagtca gacatgggcc 120  
 gggattttta ggacttggtg gaatctgagg tcggttgtga catacttttc aagggtcaaaa 180  
 gtgaaagctt caaagctcat aagttgatac ttgcagcccc atctcctgtg tttagagccc 240  
 agtttttttg gct 253

<210> 34379

<211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891279H1

<400> 34379

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 agttcatggc agagatgaaa tgattttggt caattttggt tcagtgttcc aaaaggcctg 180  
 atgttcttgg agctcttgtg aacctgattt ctaacctctt gccatgtctt tcttcgaagt 240  
 ttgggactca c 251

<210> 34380  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891280H1

<400> 34380

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 cattgatgaa ctgattctgg gtgtagaatt gattttaact tttagggtga agcaacttta 120  
 ggtagtggtt gcattggatc agaaatttta taatgagatt tgctattaac ttgcatttta 180  
 gataagaaca cttaaactg attcatttca cttaaagatc aattctaatt agaatacaatt 240  
 tttccgtttt tga 253

<210> 34381  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891281H1

<400> 34381

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 acctgagaaa aagataccct taattcgcag gcgcgtcttg tggttgacaa caaccacaag 120  
 atgattaact tcgaagaaac cgagttgcga ctcggcctcc ctggcaacga ctcagcactc 180

aagggaagtg tgccaagaga ggcttctctg aaactgcttc tgttgatttg aagcttaatc 240  
 tttcttcttg cattaacgac tctg 264

<210> 34382  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891282H1

<400> 34382

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 gagtcagatg gctctgatca agcaaagcag caggcttctg tggctcatag tggattgttg 120  
 cctcgggcag tgatatcaca gcagcagaac caggaccaa cacaaggaat gctttattat 180  
 aacaatccac acctcttcag caggaaagaa gctactaccc gtcaatggat cctcaaagaa 240  
 tgggtgctct tgttgcatct ga 262

<210> 34383  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891284H1

<400> 34383

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 actgataatt tactatttag tcatagcatt gcgacttgaa acttatggta aagtattgat 120  
 aacgtatatt ttgtgtttgc aggatacgag tttcatatcc atttcaatgg ggagcaccta 180  
 catttgatgc aggtgaagcc tttgttatga tgatgacatc ctttgttgct cttgtagagg 240  
 ttctctgaaa ggcaagagta 260

<210> 34384  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891285H1

<400> 34384

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 tggtcgcgag tacaaggtca aggaccttcc ccaggccgac ttcggccgcc tcgagatcga 120  
 gctggccgag gttgagatgc ccggcctcat ggctgtcgg accgagttcg gcccctccca 180  
 gcccttcaag ggggcccgcga tcaccggctc cctccacatg accatccagt ccgccgttct 240  
 cattgagacc ctcaccg 257

<210> 34385  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891286H1

<400> 34385  
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 ccaacgttgg gagcaaggca ggatgcgttc agtattttct ttgaatggga tgctagtttt 120  
 ggaattccag gagcatttta catcaaaaac tgtatgactg atgagttttt cctcgtcagt 180  
 gttaactcga ggacattcca aaccatggaa ccattgaatt tgtttgcaac tcatggggtt 240  
 acaacttcag gagtta 256

<210> 34386  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891287H1

<400> 34386  
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 aacctatgac gtgccagaag gagtggacat tctgggaaga tacgatgcag agtttgcaaa 120  
 aatcctcgca aaagatgctt tgaaattcgt tgctgaactg caacgtgagt tccggaacga 180  
 tatcaacatg cattagagcg cagaagagag gcaaagaaga agtacaatga aggggtctctt 240  
 ccgggggttg atcctg 256

<210> 34387  
 <211> 258  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700891288H1  
 <400> 34387

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 tctgcagcat tgaacaccaa ttcaacgcc atgggtcagg aagaggaaaa atcccaagaa 120  
 aacaaagtgg aggagaaaaa agtagaagaa gaagaaaaga aagaagaaga gaaaaaatca 180  
 gatgagaaga aattcaagga gaaatctgcg ccgccagaaa tcgtgcttaa agtggtcatg 240  
 cattgtgaag gttgtgct 258

<210> 34388  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891289H1  
 <400> 34388

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 gcatgatgaa gtgcattgct taatgcttat actagtgatc cttaagtgtt tgctgctgct 120  
 actttaagaa acatatcagt atgagtggca agccttcaca gttgaaagga ataagccatt 180  
 ctagtttcta gtaattgatg tgtcttttta agtggtttga actctgtggc agatggttcc 240  
 atatatgtgt ttatg 255

<210> 34389  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891290H1  
 <400> 34389

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 gtctaccgtg ttggtgacct tgatcgacc atcaaatttt acacagaatg tttaggaatg 120  
 aagcttttga ggcaaagaga tatcccagag gagaaatatg ctaatgcttt tcttgattt 180  
 ggctgaaga atcccatttt gttgttgaat taacatataa ttatgggggt acctcgatg 240

acattggcga tggc

254

<210> 34390  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891291H1

<400> 34390

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tattggggcc ctaaagctgg ttatagtata tataacatga ctaatgcaga tatgatgttt 120  
ggaggaatta ctgttgatg tggaatattg ggcaccgtag caggaggctt tgttcttgat 180  
tcatgactaa cacaatatca aatgcattta agcttctctc aatagcaaca tttattggtg 240  
gtgcatgctg t 251

<210> 34391  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891292H1

<400> 34391

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gttggtgaac gtaaccaccc tacttcctca agcttgacag actcatctaa tggctctggc 120  
tcaatgatgc atagcagttc atcaggctct cggagctttg agaaccagga tcagtccaaa 180  
gtcaaatcaa ccatcattga ttgtgggtcg aaactaattg tcaaagctac ctatagagaa 240  
gacaccattc g 251

<210> 34392  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891293H1

<400> 34392

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aagagagaat catgtggtgc tggaaaggag acggaggcta gaagaagaag aaaaaaagaa 120  
 gagctagaga gagggtagcc tcttgtaa tgcactgtt tttgtgtctg ttgctgcact 180  
 tataggagtt cttctattct aacaacctct gccaaccaac acaagcctga aaataaaata 240  
 aagatgctgc etc 253

<210> 34393  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891294H1

<400> 34393

actgtgcaaa agaaaaagag agaacagaga tcaatggctg catggcgtgg ggtcggagat 60  
 ggaaggttga ttattactac tctcgaccgt gcggcagggg gtaatattaa taattattca 120  
 atcgtaaagc aaaccatgct gtaaaaaaca atttccattc aagtatggaa taacgggtgta 180  
 tactttttta ataaataaaa aaaacaacaa caacgggtgta ctacttttag g 231

<210> 34394  
 <211> 189  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891295H1

<400> 34394

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 agcaaagaaa agagaaaaaga aaaccttttg atccccaaaa aagccatatt ttttcccacc 120  
 cacttttctt cttcccaaac accgccgtat ttcgctttct cttttctttt atcccttcca 180  
 ccaacatac 189

<210> 34395  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891303H1

<400> 34395

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 attctgaacc acacactcac ttatttggtt ctttcaactc actcacagag taatggcatc 120  
 catggcggct ataggttctc tgaatgttcc ttgttctgct tcttcgcgtt catcgaatgt 180  
 gggaagaaaa agctttccac gcagcctttc attctctgca tcacaacttt gtggagacaa 240  
 gattcacaca 250

<210> 34396  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891305H1  
 <400> 34396

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 attatcctct cataactcag gatgatctgt cccatgtttt ctcttctggt agtagagacc 120  
 tcaatttcat tgatcacact ggtgaccttg gatggaaaga gagtgatagg ttccagccaa 180  
 ttgtagtga cccgggacta tatttagcaa ggaaaagtca aatttttcaa gctacagaaa 240  
 agaggcc 247

<210> 34397  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891307H1  
 <400> 34397

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 atccagatct ctttctgccc ttttctccgt cacgcttttc gtgaccggat ctgtatggat 120  
 ttgatccaga tctacacgcc gatggtggtt ttggccgggt ctttcataga tctggtgcgt 180  
 agaggctcag atctacggta ccgaggtaca acagagaatc gatgacaaga acgcagatcc 240  
 gacgg 245

<210> 34398  
 <211> 245  
 <212> DNA

**060307**

<400>	34398
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<210> 34399

<212> DNA

<223> .. Clone ID: 700891309H1

<400> 34399

<210> 34400

<211>            255

<212> DNA

<223> Clone ID: 700891272H1

<400>                    34400

13955

tggaaagttc ggcaa

255

<210> 34401  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891240H1

<400> 34401

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atcaatcatc atgtcgtcgg cgaagaagat cacactgaag agttcggacg gcgaggcttt 120  
cgaggtggac gaggcggtgg cgctggagtc tcagacgata aagcacatga tcgaggacga 180  
ctgcgccgac acggcatccc tctgccgaac gtgacgagca agatcctggc gaaggtgatc 240  
gagtactgca agaagcacgt cgag 264

<210> 34402  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891242H1

<400> 34402

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aaatgacaac caccttcgcg accgtcgcag gactcgggtgg cgcattactg tcatccacct 120  
catctcgtct cacctcaggg tttgtgaaat cccagtgat tgctaggaat cccttgaggc 180  
aagctgtggc aatgggaaat gggaggatta catgctttga gaggaattgg ctgcgggcag 240  
attacagtgt gattgggttt g 261

<210> 34403  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891244H1

<400> 34403

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ctgatctcca aggagatgaa gaccatgcct tcaagaagat tcgtttgaga gctgaggatg 120  
 ttcaaggga aaatgttctg acaaactttt gggaatgga tttcacaact gataagttga 180  
 ggtcctggtg cggaaatggc aaactttaat tgaagctcat gtggatgtca agaccactga 240  
 taattatact ttgagga 257

<210> 34404  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891245H1

<400> 34404

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 acagaagcaa aagggcacat ttgcatgctt gaagatgggt gccttaatag ctctatgtct 120  
 cattctaatt tctccagcag aatcatttga tccgttggat ccaaccggga acgtgacaat 180  
 aagatgggat atcatgtcct ggacatcaga tggttatttg gccactgtga cattgtttaa 240  
 ctttcaactg taccgcaa 258

<210> 34405  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891248H1

<400> 34405

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 gattaaatgc attgaagaat acaaacttga ggatgagttc ccaccagaga atctgaagaa 120  
 gcgacttgac cagttggaga aggtgaagac ggtgaagacc gagaaaagga aaccggttgc 180  
 tgttcctgcc aataagagaa ctcgagcaag caacagcaat ggaggtccaa tgccaccagc 240  
 caaagctggg cgtttga 257

<210> 34406  
 <211> 129  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891249H1

<400> 34406

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cacaatcagt tacagagggtg tgctgctgaa ataagtttagc tttaaaaaaa aatgtattac 120  
ttattttttc 129

<210> 34407

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700891250H1

<400> 34407

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ctgcctcagt ctcccaggat ccaatataaa tggaaatgga agcttcaaaa tttatggcta 120  
caacgaactg aagcctctat cagacttagc ttgcccggt tagtggaaga atttgggggtg 180  
aagtaaagtg aaaattgcct tacgttagaa acgtgatcaa gttccatgga agaagagcat 240  
caatgttctg gaagtgggtga agaa 264

<210> 34408

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700891251H1

<400> 34408

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tgctttctcc gctggaattg gaggctttct ctttggctat gacacaggag tcatatctgg 120  
agtacttttg tacatcagag atgatttcaa agagggtggat agaaagacgt ggctgcagga 180  
agctatagtg atatggcact tgctggagca atcataggag cttcagttgg tggatggatc 240  
aacgatcgat ttgggagaaa gaaag 265

<210> 34409

<211> 165

<212> DNA

<213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700891252H1  
 <400> 34409  
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 ttctgtgtgt ttgttgacac caatatatga gagagatnnn nntgaanntg tngtnattaa 120  
 ggttaatggt ggtggttgga aatggggatt gggagttgat ggtaa 165  
 <210> 34410  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891253H1  
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 ccaattttac tcttcccaa attcaattcc ttcaaattcc ttccctataa tctcgatttt 120  
 gcttcgtgca atctctcttc gatcccaatg gacgacatgg aagacgacgc aaggtaccct 180  
 cccaagtcct ctccctcaac cggcagaacc cttcccaccg ccacaaacac cccatacgcg 240  
 ccgcccccta ccaccgcca atg 263  
 <210> 34411  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891254H1  
 <400> 34411  
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 catcataaac cattgcatac catgtagtta atattcaaga gtgttatgat tgtgagaaag 180  
 gagtgagtat gagtgcctta gtggtgagtt tatcagagtg gattagggat atgagattgt 240  
 tgtatccctc tatgaattta 260

<210> 34412  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891255H1

<400> 34412

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 atgacaaggt ttttgaagga caccatgggc tacttaatta atttggcaat catggaagat 120  
 taagtgccta aatttgggtg ggaattaagt atgaaattga agccactgct tcttcaacta 180  
 gtttgatgct gtatgatgta tctattatta ggttgcgat cttctgggaa atatgtgtat 240  
 ttatatctag tactatatat a 261

<210> 34413  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891256H1

<400> 34413

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 agatttgagg catttatata atcgaaattg gaagcgagga aggaaaatcg aaatcgaaaa 120  
 tggcagtaat ggagagggtg aagatgttcg tcgttcaaga gccagttgtc gccgcttcct 180  
 gtctcatcgt ggcttcgggtc tttttcttcc tgcttttgtg aggcccatgt tggattcata 240  
 tcaggcaacc aagcaacctc ct 262

<210> 34414  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891257H1

<400> 34414

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 aggagacgga ggctagaaga agaagaaaaa aagaagagct agagagaggg taccctcttg 120  
 ttaatttgca ctgtttgtgt gtctgttgct gcacttttag gagttcttct attctaacaa 180



cctctgccaa ccaacacaag gaagaaacag taatgctact gacatgggaa agaaggggag 240

ttggttttct gcaatcaaga g 261

<210> 34415  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700891258H1

<400> 34415

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tttccttctc tgccctccaa tgggtccttc attccgaccc caaaacccaa tcttccgtat 120

cccctgatgc tctcaatcct ctgctgtgctt acctttccct gcccgaagtc acctttggcc 180

ccaaaagggtg gcaactgcct gaagcagcaa acacgggttcc agcctcaaca gctaataaat 240

cgctctaga cagatat 257

<210> 34416  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891259H1

<400> 34416

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gtgagatcct tcacatccag ggtggccaat gcggcaacca gatcggcgcc aagttctggg 120

agggtggttg cgcgagacg ggatcgaccc taccggaagg tacggtgggg actcgagatt 180

gcactcgaga ggatcaatgt ctactacaac gaggccagtt gcggtcggtt cgtgccgcgc 240

gcggttctca tggac 255

<210> 34417  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891260H1

<400> 34417

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 acaagagtct gagatcgagg ggtattcggt tccttgccg tgacaatgaa agcttggtc 180  
 caattttcac tctcctcgt tcagtgtctt ctgctccgga ggctgatgtc aaccttcaac 240  
 agcagtttga gcatgat 257

<210> 34418  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891261H1

<400> 34418

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 atgaccacgg cgtactcatt tccccactc cgaaaatgtc gctccagggc agcgccagcg 120  
 taaacggcac cgtggcggcg gcgtcgacgg cgagcctgag gctgcggtg aaccctaaca 180  
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 gctcgctgga gag 253

<210> 34419  
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 <212> DNA  
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<223> Clone ID: 700891262H1

<400> 34419

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 cttctctctc cattctccaa ctccatttct tcgatctgga gctctccgct ttcaaagctg 180  
 tcaaatttcc gattcgggat ggacaaatac gagctcgta aggatatagg atctgggaat 240  
 ttcggtgtgg ccaggc 256

<210> 34420  
 <211> 257

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700891264H1

<400> 34420

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 caccaaacca aaccaaacca aaatggcagc agcctcagcc tcatccatga tatcaacacc 120  
 agccttatct ccaaccatcc aaaagcacca tcatttgaag ccatccaacg tgtgcttcca 180  
 aggtcttaga cccctcgcaa ggttcaccaa agcctcatca accaaagtga gcaccaccac 240  
 caaaagggtt attccaa 257

<210> 34421  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891267H1

<400> 34421

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 tgataaggct aacgaacaat tttaacttgt tcaattacta accgatgttt tccttcttgt 120  
 aaatgttttag attaaagaag tataccgctt gacgagtaag a 161

<210> 34422  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891268H1

<400> 34422

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 gttgtccatg ggcaggagca gggctcttagc gacccaggtc agttgatgag aatgttcgca 120  
 gaaagggctc aaaagcaaca cacttccaat cattcgcatg ttgatactcc gccagtgaca 180  
 ctatcaggtc catctggaca gtgaaatgac tcgggcaatg cttcagcaac agctgccccat 240  
 gcatggatgt ctgttggggc 260

<210> 34423  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891269H1

<400> 34423

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 cggtcgtttc tttctctctc ctcaaccgga gacagcgtcg ccttcttttc tgaatctcgc 120  
 ggtgttggtta gttctgcggc gggtgtagtt ccggcggcga tgggacagca atcgttgatc 180  
 tacagcttcg tcgctcgcgg caccgtgatc ctacgggagt acaccgagtt caccggaaac 240  
 ttcaccagcg tggcggcgca g 261

<210> 34424  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891270H1

<400> 34424

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 ccattggaat tttttttttt tgtggctgaa gaaggtgaaa agggggcaag tttcactctt 120  
 caaggagttt gaagggtgtc aacttggtt ttgagactct gaggttgaag ctgcattttt 180  
 ttttaagggtg gggatgggtt ctagtgtgtg ttgtggtgtg acacttggtc ttgttttctg 240  
 cttatggggt gtgttga 257

<210> 34425  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891271H1

<400> 34425

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 agagagagaa agtgctgcag aatacacaca tacacaccac ttcttcaaga gagagaggtg 120  
 tgtgaaggaa aataagaact gaaagacaaa ttttgcaaag gaagatatga aactttgcaa 180

atttaacact gagaaagaag atctgtgatt tctctctctc tttttgttgt tgttgttgtt 240

tgcagagaaa atcacacaaa 260

<210> 34426  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891239H1

<400> 34426

cgacaaacaa atattattat tcaatagaaa agaaagatga gtccaacatg ggtttttgtg 60

ttaggtgttg cagcaatgtt ggtggttgtg agtggacaat catcagtga gccttttggg 120

aagacagtga aggggaagaa ggtgtgtgac aaaggggtgg agtgcaaagg ttggtctgca 180

tattgctgca atgagactat ctccgactac ttccagacat accagtttga gaacctcttc 240

gcgaacgcaa ttcgccggtg gca 263

<210> 34427  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891208H1

<400> 34427

atcgctacag agaaaccttg atgatgcgaa acatgaggca gaaatgctag caagtgagct 60

tacaactgcc aaggaacact tgaaggaagc acaagcagag ctgcaagggtg tgtcaaaaga 120

attgacagct gctcttgaaa agaattgatag cctacaaaaa gaattagttg aagtctacaa 180

aaaggctgaa agcacagcag aggatttgaa ggaacaaaaa cagttagttg cttctctgaa 240

caaagattta caagcattag agcagcaagt 270

<210> 34428  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891209H1

<400> 34428

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 gctcagttac agatgtgggg cttctgtcac ttgctaatat cagctgcctt caaagtttta 120  
 ctgtgcttca cctgcaaggc ttggttccag gaggactggc tgcagcetta ttagcatgtg 180  
 gagggctaac aaaatgaagc ttcattcttc actaagacct ctgttacctc agctacttat 240  
 cagacatgta gaatcacgtg gctgtg 266

<210> 34429  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700891211H1

<400> 34429

aagaagagca tcaactgaact aacaaagcaa ccctatgtcg aagggtggtt gtgtcaccgg 60  
 agccagcggc gccntcggat catgggtggt cctactcctc ctccagcgtg gttacaccgt 120  
 ccatgccacc gtccaagata tcaaggatga aaatgagacg aaacatttgg aggaaatgga 180  
 aggagcaaag agtcatctcc atttttttga aatggatctt cttgacatcg actccattgc 240  
 cgctgccata aagggttggt cggcg 266

<210> 34430  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891212H1

<400> 34430

ctggggtgac aagtagtggt catgagttgg ctttgatgat gaataataat gataataata 60  
 agaataagtc aattgggata gtgaacagga atccaaagtg gtcggataag ttcaatgaga 120  
 tgaccaactt cgatgatggt aatgtggcag cacaatcatc actgcctcca aggccaaggg 180  
 tggcaagggt attccatcag cacctgtgc agcttctttc aatttcaatg cttatgagta 240  
 ctattggagg accaagtctg ca 262

<210> 34431

00220"ETFE560

<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891213H1

<400> 34431

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ataaggaagt gggtcgtcga gcacaagctc cgtactgttg ggtgtctatg gctcagtggg 120  
attacggggtt cgatcgctta caattgggtct cgaccaaca tgaaaactag tgttaagatc 180  
attcacgcta ggttgcacgc acaggctctt aactggggag cattagccgg agctgcacta 240  
gtagaatatt atgatcgtaa gac 263

<210> 34432  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891214H1

<400> 34432

caaagtttga aatttctttg tctttgattt catgtttttg ttacctgat tgatcatatt 60  
tttttcatat taacaattga aataaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120  
aaaaaaaaaa aaaaaaaaaa aaaggggggc cccccccctt tttgtccctc cccccccggg 180  
ttttttttcc ggccggctcc tgggggggtcc ccccttttcc ccttgggggg ttttttttag 240  
ccttggggta aattgggttc c 261

<210> 34433  
<211> 262  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700891215H1

<400> 34433

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acgagcgcca actggtggcg gaggcggcgc agtcggctct gaagagcgac agcgncaaag 120  
tggacaaggc caaggtggct gacgctgccg gcgatcttct cgacgcggcg gggaagtatg 180

gaaaacttga tgacaaacaa ggcatagggc aatatgttga caaggctgct gattatctgc 240  
 ataattacca gggtgataat ac 262

<210> 34434  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891216H1

<400> 34434

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 aagcttcttt gggttcctcc tatttggcga aggaactctt gatgatgtgc tggccaattt 120  
 cgataccaat cttggaattc ctttcgggtc tgtgctcaat gatgctgttc gtataagcta 180  
 cgccgcacac tgatgcttgt acttccagtt gtcttctttc cattgcgtct caacatagat 240  
 ggctcctct tctctaaatc aa 262

<210> 34435  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891218H1

<400> 34435

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 tcgtctcacc gaggttcgca agaacggaac ctgcccattg ttgaggcctg atgggaagac 120  
 ccaagtgact gttgagtatt acaatgacaa cggtgccatg gttccagttc gtagaccaca 180  
 ctgtgcttat ctccaccaac atgatgagac tgtgaccaac gacgaaattg cagctgacct 240  
 caaggagcat gtgatcaagc cggtgatccc gg 272

<210> 34436  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891222H1

<400> 34436



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 agaaagaaag aaattgagtt tgagatctga ttgtgcggcg acgatggaga acaacgacag 120  
 catcatatcg cgggagaaga tcgaccaggc agcgggtgtg ctcggctccg ccgtctcttc 180  
 cgctttcttt tctcattgg aacgcttttc ctgcgtcaac gtcgccacct ctgaccccg 240  
 caacgacgat gacgacgacg attattac 268

<210> 34437  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891223H1

<400> 34437

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 tgtccactat gagacttoca agagcttcct tgtctggaac aacaccagct aggagatcat 120  
 gtgctcttac aaagagtoca tcatctttga ggtctgtgaa gaatgtgtct aaagtgtttg 180  
 gattgaaatc atctccttta gagtgtcagc aatggcggta tataaagtga agctgattgg 240  
 accggacggt gaagagaatg aattt 265

<210> 34438  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891224H1

<400> 34438

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 atgaaaacat gttgttagtc ctttactgga gattcatcgt gcagtcgggt ctgtactccc 120  
 caataaaatt catcatgcag tcagatgttt attccccaat gaaattgatt gctgtaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa catcatagaa 240  
 aaaataaaca gtggaagggt c 261

<210> 34439  
 <211> 263

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891225H1  
 <400> 34439

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 cggcgggcgcg tgggagtgct tttggcgctg gattcctagt tccccgctta cctatgcttc 120  
 gctcgacccg cattgtagag ttcacgccgg agagacggcg gaatctcacc ggacgatcgt 180  
 gatttcgcat ctcatggctt ccgcctaccg gaacgaacct aattggccac ggcatagaag 240  
 cggtggagct ggattcatgg gaa 263

<210> 34440  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891226H1  
 <400> 34440

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 tgctggtaac aagaatgggc ttctcttgcc ccataccacc acagaccaag aacttcaaca 120  
 tttgagaaac agtctacctg atcaagttgt tgttcagcga atagacgaaa ggttatctgc 180  
 tctgggaaat tgtatagcat gtaatgacca tgtggccctc acacacactg atcttgacag 240  
 ggagactgaa gagatgattg caga 264

<210> 34441  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700891227H1  
 <400> 34441

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 ccacccaaat gagcaagaag agaaagttcg tagctgatgg agtgttcttc gctgaactga 120  
 acgaggttct gacaagggag ttagccgagg acggatactc cggcgtggaa gttagggtta 180  
 cgccgatgcy accgaaatca tcacagagc caccagaacc caagccgttc tcggtgagaa 240

gggaaggaga atcagggaa

259

<210> 34442  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891228H1

<400> 34442

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agaagcacac actacacagt taccaaaatc aggttcaaac gcacagatct gggagaagag 120  
aagaagaaga agaagaagat gggacaggat cagaaccaga gatcgctgat ctacgcgttc 180  
gtgtctcgcg gcacggtgat tctcgccgag tacactgaat tcagtggcaa cttcaacaca 240  
atcgcggttc agtgcctcca gaa 263

<210> 34443  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891230H1

<400> 34443

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aaacaactga agctggaagg caccaagagg ttggtcacia gagccttctc cagagtgatg 120  
ctctttacca gtatattctg gagacaagtg tctaccaag agaacctgaa tccatgaaag 180  
aactgagaga gttgacagca aaacacccat ggaacatcat gacaacctct gcagacgaag 240  
ggcagttctt gaacatg 257

<210> 34444  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891233H1

<400> 34444

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atgggttgagg cctgatggga agacccaagt gactgttgag tattacaatg acaacgggtgc 120  
 catggttcca gtctgtgtcc aactgtgtct tatctccacc caacatgatg agactgtgac 180  
 caacgacgaa attgcagtga cctcaaggag catgtgatca agccgggtgat cccggagaag 240  
 taccttgatg agaagaccat tttccacttg a 271

<210> 34445  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891234H1

<400> 34445

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 acgctcttaa ggtcgatctc atcgaaactg gtcgcgttgt ctgctccatg aagatactc 180  
 cgcgtttact caatgtggga attcgttaca cgggtggcgcc atcgctgctc tggtcgacgt 240  
 ggtgggttcc gctgcgattc ccaccgttg 269

<210> 34446  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891235H1

<400> 34446

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 agcaaaacga ctgcggtttg gtcgtcgtct tccccgagga atgctcttgg gatattatta 180  
 ttcatcatcg taatcacacc ctacagagac gttgactttg tgctttttct gggaggggaa 240  
 caaatggacc aagctcttct ggacgacat 269

<210> 34447  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891236H1

<400> 34447

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 tggactgcta gtggatcctc aaaatggaaa ggtacatggt tcctctgata atgcatttta 120  
 ttggaaatth cttttcaagt acattttttc ctctttttcc cagtgaatat tttgttgctg 180  
 tctttcattt agttcatgca tatgttaaag gatcaaatcg tttaattttt tccccctaaa 240  
 tttatgtcta tgattctttt tgtg 264

<210> 34448

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700891237H1

<400> 34448

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 acacattgct tcaaccacac caacactacc tcacacacta acacaatcag ccacccaaat 120  
 agccatcaca aaccgcaaca tccatagcct caacaatgct ggaagaggca ccaaaatcac 180  
 cggcatatcg cattcaaacg atacctgcat cgttttgggt acttataaaa caacaacatt 240  
 agtttcagtg atgaatttga tgccgt 266

<210> 34449

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700891238H1

<400> 34449

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 cccgccataa gggaaatgag acccgagacc gcgacccatg cgggaatcgg gtcgggtggg 180  
 attcggaggg tgatttccga gcggagattg atacgtcacc gccgtttggg tcggtgaaag 240  
 aggccgtgac ccgttttgga ggtag 265

<210> 34450  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891206H1

<400> 34450

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 gtgcatttca atccacattg gtcaggccgg tatccaggtc ggaaacgcct gctgggaact 120  
 ctattgcctt gaacacggca ttcagcccga tgggcagatg ccgagtgaca agaccgttgg 180  
 aggaggagac gacgcctcaa cacattcttc agcgagaccg gcgccggaaa gcacgtgcct 240  
 cgcgccgtct tcgtggatct tgagccca 268

<210> 34451  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891166H1

<400> 34451

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 ctctgtccac tcaaccttcg cttctcgata tgcagaact tcgcttccca ggtttaagat 120  
 gccggaggag tcgataccaa aggaggcagc gtatcaaata ataaacgatg agttgatgtt 180  
 ggatgggaac ccaaggttga acttggcatc atttgtgaca acctggatgg agccagagtg 240  
 tga 243

<210> 34452  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891168H1

<400> 34452

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 ttatccctca caactaccaa tggccgaaga gaaacaccac aagcaccgcc tcttccacca 120

ccacaaggac gcggataata agccagtaga aaccgatact ggttacgaca acacatcata 180

ttccaagcct tctgatgact atgactctgg tttcaacaag ccatcgtagt agtcttctgg 240

<210> 34453  
<211> 235  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891169H1

<400> 34453

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atatctagga aatgcaaaag ctgattatat agcaacaaat cagctatctt tggatattaa 120

tggccctgat tactaccaca cagcccgcat agtcctctg tatcttaatt actatggcct 180

ttgtatgctg aacggcaatt ataaagtga acttcatttt gctgagatag cattc 235

<210> 34454  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891170H1

<400> 34454

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gctttatcat tatggagtcc ataatgctct tgaaaaatat ggtaatccct tttttttttg 180

tggtcgggga cttgggggtgt gtgaaaatcc gtcatttggt ttctgttgc tgt 233

<210> 34455  
<211> 197  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700891171H1

<400> 34455

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ttttacttcc attttttgac tgaaagaata aaaaaatgat atgattcaac ctcaaactca 120





agaagggaaa cacctttggt tctcacatcg cagtatttgg tcatgttttt cgataaataa 180  
 atctgaggat gaggtttttt ttttttgggt acatgaagat gacgttgctg a 231

<210> 34459  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891178H1

<400> 34459

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 aatggcatgg ttggctccac ttcataaccg atcacacagg agatgagctt cttttactga 120  
 aaccaaaaag gtatggtggt gaacacaaag aaaatttgtc tggggaaggt gaacagtata 180  
 tctatcattc caaaggacat gcacttaatc cagggcagag aaactggacc aggtaccaac 240

<210> 34460  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891179H1

<400> 34460

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 tcccttgcaa agatcaaacg tttaccttga agagaaaagg tggatgatgat gttgctgagg 180  
 aagaagtgc agtatatgat tatttggtta atatcggcag gatagatcgt cg 232

<210> 34461  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891180H1

<400> 34461

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 cccaaacact tcaacatggc ttcttcagct atggaaacct gcaaatcaga ggatttgcac 120

atgcaggttg acattgagaa gaacgcgaag gacataaggt ctcaagtgggt gcttaacgct 180  
 cctgagcccc caagtccatg gcgtgtggtt gcagattctg tgagcaaaac tatctccac 240  
 tataa 245

<210> 34462  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700891181H1

<400> 34462

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 aagcagaaga agagccagat ccagaacgcg aagaggttgt tgataagcat caatgtgctg 180  
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<223> Clone ID: 700891182H1

<400> 34463

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 gctggagaat acaaagggga gcaccatggt gaacacagta gtgagtacaa aggagagcat 180  
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<223> Clone ID: 700891183H1

<400> 34464



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 aaaagaatca atcattcatt gatcgctgaa acgatacgat gacaggggaag gcgaacgna 180  
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<210> 34468

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700891189H1

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 cggtgggaga caaggctccg gcggatctgg tgccaaaagc cggaacgaag cttgcgaagg 180  
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<211> 234

<212> DNA

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<223> Clone ID: 700891191H1

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 ttatagcagg aacagacccg agttccgcga caatagtttg ggcaatgaat gcactgttga 180  
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<211> 195

<212> DNA

<213> Glycine max

<223> Clone ID: 700891192H1

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 tgctggaact gcatgatgtt catgacaaac aaagggtcaaa ggaatccttt ataaatatgg 180  
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<210> 34471

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700891195H1

<400> 34471

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 ggtgggagac aaggctccgg cggagaagaa gccaaaggcc ggaaagaagc ttccgaaaga 180  
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<212> DNA

<213> Glycine max

<223> Clone ID: 700891196H1

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<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700891202H1

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caagtgggtc ggacgctgat tccagcaaca agcggctggt gctcgactg tatgacgccc 180  
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<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700891203H1

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caaaaatcgg tccattgggt ctctccccaaga agaagatcgg agaagacatt gcgaaggaaa 180  
ccgcgaagga ctggaagggc ctccgcgtaa cgggtgaagct gacattacag aaccggcagg 240  
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<210> 34475

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700891204H1

<400> 34475

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tccaactctt cgctctttac cctcaccacc aaaacaacgc gccactcttc tctcctcaea 240  
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<223> Clone ID: 700891205H1

<400> 34476

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<210> 34477  
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<223> Clone ID: 700891165H1

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 cattaggtca caagcaatca agcagcttca aatcagtcta ccccttttca ggaaactatg 180  
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<210> 34478  
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<223> Clone ID: 700891130H1

<400> 34478

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aaatcccgag atgtttgtat tgttggtgtt gcacggacgc caataggtgg tttacttggc 180  
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<210> 34479  
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 <223> Clone ID: 700891131H1  
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 agatgagcgg ctagcaaact caccttctag aaaagatggc atagatgaag ccactgagac 180  
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<210> 34480  
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 <223> Clone ID: 700891132H1  
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<210> 34481  
 <211> 253  
 <212> DNA  
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 <223> Clone ID: 700891133H1



<400> 34481

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 ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca ttttcgccgg 180  
 aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg agagtactct 240  
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<210> 34482

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700891134H1

<400> 34482

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 gcaatgaaca acgaggcttc tggtagatac atttgctttg accatgtaat tgatacacat 180  
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<210> 34483

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700891136H1

<400> 34483

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 ggattacggg ccattggaaa tttgtgcatt tcacttaggg agcttagtct aagcaaagt 180  
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<210> 34484

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<400> 34484

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cctcctggag agttcgtccg agaaatccct ctttcaaccc gaattcctga agacgccaac 180  
atagaagcat actacgatgg gccaggatct gtgcttgaga tcctgggtgcc aaaacatcgc 240  
gtg 243

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<223> Clone ID: 700891138H1

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caatgtatcc ataccattga gtaagcagga ggatcttatt gtctggatgc gaactgctgc 180  
tttgccaact tttaggaagt tgtatggaaa gatagagggtg gatctgaatg aaggtgata 239

<210> 34486  
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<223> Clone ID: 700891140H1

<400> 34486

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gaagttctca caggaagagc tccttcacgc cagtaccctt caccggctcg tccccgaatg 180  
gaggtagagc cggaacaggc tgcggtggac cttcccaaatt gggttcgctc ggt 233

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<223> Clone ID: 700891141H1

<400> 34487

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 gccgagcagg agcggagggc cgccattatt agggctgagg gtgagagcga tgcggccaag 180  
 ctgatctcgg acgccactgc ctcggccggg atggggttga tcgagctaag gaggat 236

<210> 34488  
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 <213> Glycine max

<223> Clone ID: 700891142H1

<400> 34488

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 tgctaacgag agatgggcta ttgatcggtt gcttaaagtg ataaagatgc cacatccagt 180  
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<223> Clone ID: 700891143H1

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 agcttgacgg tgacgtcgcc ggacaacatc aagggcacgc acgatagcgc gattgggaac 180  
 ttcgggatac cccaatacgg gggca 205





tttgcaggca ctatacttct gtgttccatt tcgagaacaa ttgctagaat attatgcaaa 180  
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<223> Clone ID: 700891155H1

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<223> Clone ID: 700891156H1

<400> 34497

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ggaacacctg cttgtgctgt acatatacct cttccagtta ttttctctcc ctttttctta 180  
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accttgatg aatctctatg cgatcaggct gggcaggaca aggcaagggtg ccttgaagtt 180  
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ttgacaaatg agaaggaagt cgatgccac cctatccgag ctatgaagtt ttctgtctca 180  
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<223> Clone ID: 700891164H1

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<223> Clone ID: 700891129H1

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gaaatccact accactggtc acctgattta caagcttgga ggcattgaca agcgtgttat 180  
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<223> Clone ID: 700891094H1

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<223> Clone ID: 700891095H1

<400> 34506

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 <213> Glycine max

<223> Clone ID: 700891096H1

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 <212> DNA  
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 <223> Clone ID: 700891104H1



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 agaagtgaaa gaagaagcag aagagcctaa agaaactact gaaacagaaa cagaatcagc 180  
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 acaacagttc cagaaaatga aacaaccgag gtaagcaaga cccaggaaac aaccccagtc 180  
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